Supplement to ENGINEERING NEWS.

CONSTRUCTION NEWS

New York, June 18, 1908.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

(denotes that this work is advertised in Engineering News.)*

The following Plans (P.) and Specifications (S.) are on file and may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York.

Bids. close.	Work. Place.		See issue.
6-20	Macadam, etc., Tacoma, D. C.	(S.)	6- 4
6-22	Paving, Warren, Ohio........	(S)	6-11
6-22*	Paving, Selma, Ala...........	(S.)	6-11
6-23*	Bridge, Wakeman, Ohio.	(P. & S.)	5-21
6-23	Pumps, etc., Minidoka, Idaho....	(P. & S.)	5-28
6-24	Elec. equip., Minidoka, Ida..	(S.)	6- 4
6-24*	Walks, Madison Barracks, N. Y.	(P. & S.)	6-11
6-24*	Brick paving, Cadiz, Ohio....	(S.)	6-11
6-27*	Concrete wall, Riverton, Ala	(S.)	5-28
6-27	Steel floats, Newport, R. I....	(S.)	6- 4
6-29*	Filters, etc., Pittsburg, Pa.	(P. & S.)	6-18
6-30*	Dredging, rock removal, New York, N. Y.	(S.)	6-11
6-30*	Garbage plant, Mont Alto, Pa.	(S.)	6-18
7- 3	Dredging, etc., Bremerton, Wash.	(S.)	6-11
7-8	Power-house, Bremerton, Wash.	(S.)	6-11
7- 8*	Levee, Vicksburg, Miss.......	(S.)	6-11
7- 9	Shop, Phila., Pa. (Mfg. Pl.)..	(S.)	6-11
7-11	Ash-handling, Phila., Pa......	(S.)	6-11
7-13*	Lock, dam, Vicksburg, Miss..	(S.)	5-14
7-15*	Channel, Sunnyside, Wash..	(S.)	6- 4
7-18	Dry dock, Bremerton, Wash.	(S.)	6-11
7-27*	Aqueduct, Los Angeles, Cal..	(S.)	6-11

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

6-19	Power plant, Chemawa, Ore.......	5-28
6-20	Power-house, etc., New Orleans, La.	4-30
6-22	Buildings, Regina, Sask..........	6- 4
6-22	Elec. equipment, New York....	6-11
6-23*	Conduit, etc., Spokane, Wash....	5-28
6-24	Power plant, Minidoka, Ida.......	6- 4
6-29	Elec. equipment, New York	6-18
7- 1*	Gas lighting, Boston, Mass......	6- 4
7- 1	Light plant, Lewisberg, Ohio....	5-28
7- 1	Power plant, University, Miss.....	6-11
7- 6	Sale of plant, Valley City, N. D..	6-11
7- 8	Power-house, Bremerton, Wash..	6-11
7- 8	Generators, Detroit, Mich.........	6-11
7-15	Distributing mains, N. Chicago, Ill.	6-11
7-15	Trans. lines, Toronto, Ont........	6-11
7-23	Lighting, Wilkes-Barre, Pa.......	6-18
8- 1	Power plant, Townsend, Mont....	6-11

BRIDGES.

6-19	Bridges, Paulding, Ohio...........	6-11
6-20	Bridge work, Washington, D. C..	6-11
6-20	Superstructure, Chicago, Ill......	6-18
6-22	Bridge, Uhrichsville, Ohio	6-11
6-23	Bridge, South Heart, N. Dak......	6-11
6-23	Bridge, Saginaw, Mich	6-18
6-23	Bridge, New York, N. Y.	6-18
6-23	Bridges, Crookston, Minn.	6-18
6-24	Truss, Sacramento, Cal.	6-18
6-25	Bridges, Muskegon, Mich	6-18
6-25	Bridges, Kansas City, Mo.	6-18
6-25	Bridge, Miamisburg, Ohio	6-11
6-26	Superstructure, Cincinnati, Ohio..	6- 4
6-26	Substructure, Buffalo, N. Y.	6-18
6-26	Bridges, Mitchell, S. Dak	6-18
6-27	Bridge repair, Richmond, Ind....	6-18
6-27	Substructure, Findlay, Ohio	6- 4
6-29	Bridges, Wenatchee, Wash.	6-18
6-29	Bridge, Dresden, Ohio	6-18
6-29	Bridge, Allentown, N. J.	6-18
6-30	Bridge, Norfolk, Va.	6-18
7- 1	Bridges, Somerset, Pa.	6-18
7- 1	Bridge, Dayton, Ohio	6-18
7- 1	Arch, Cleveland, Ohio	6-11
7- 6	Bridge, Max Meadows, Va.	6-11
7- 6	Bridges, Greenwood, Miss.	6-18
7- 6*	Bridge, Milwaukee, Wis..........	6-18
7- 7	Bridge, Emison, Ind.	6-18
7- 7	Bridges, Yreka, Cal...............	6-18
7- 8	Bridges, Coshocton, Ohio	5-28
7-10	Bridge work, Connersville, Ind...	6-18
7-14	Bridge, Lewiston, Idaho	6-11
7-18	Bridge, Dayton, Ohio	6-18
7-20	Superstructures, Fredericton, N. B.	6-18

BUILDINGS.

6-19	Plans, Milwaukee, Wis.	6-18
6-19	Y.M.C. A. bldg., Milwaukee, Wis.	6-18
6-20	Church, Webb City, Mo.	6-18
6-20	Portico, Ft. Leavenworth, Kan..	6-18
6-20	P. O. site, Boston, Mass.	6-18
6-20	School, Roselle, N. J.............	6-11
6-22	School, Vicksburg, Miss..........	6-11
6-22	Schools, New York, N. Y.......	6-11
6-22*	Post-office, Provo, Utah..........	5-14
6-22*	Jail bonds, Culpeper, Va.........	5-28
6-22*	Closet, etc., Ft. Wood, N. Y.....	6- 4
6-22*	Educational bldg., Albany, N. Y..	6- 4
6-22*	Plumbing, Wash., D. C..........	6-11
6-22	Bakery, Columbus, O. (Mfg. Pl.)	6-18
6-23	School, Broad Ripple, Ind........	6-11
6-24	Laundry, Canton, S. Dak. (Mfg. Pl.)	6- 4
6-24*	Baths, Albany, N. Y.............	6- 4
6-24	Post-office, Fayetteville, Ark....	5-21
6-24	Bank, Pensacola, Fla.	6-18
6-24	Patrol station, Pittsburg, Pa.	6-18
6-24	School, Elizabeth, N. Y.	6-18
6-25	Stable, Ft. Wayne, Mich.	6-18
6-25	Quarters, Philadelphia, Pa.	6-18
6-25	School, Auburn, N. Y.	6-18
6-25	Prison, Wilkes-Barre, Pa.	6-18
6-25	Post-office, Greenville, Tex.......	5-21
6-25*	Barracks, Ft. Hancock, N. J....	5-28
6-25	School, Indianapolis, Ind..........	6-11
6-25	Buildings, Mt. Vernon, Ohio......	6-11
6-25	School, Beatrice, Neb............	6-11
6-25	Repairs, etc., New London, Conn.	6-11
6-26	School, Indianapolis, Ind..........	6-11
6-26	Quarters, Ft. Totten, N. Y.	6-18
6-27	Library, Hartford, Conn..........	6-11
6-29*	Post-office, Sumter, S. C..........	5-21
6-29*	City hall, Massillon, Ohio	6- 4
6-29*	Hospital, Ft. D. A. Russell, Wyo.	6- 4
6-29	Schools, New York, N. Y........	6-18
6-30*	Post-office, Meadville, Pa........	5-21
6-30	Plans, Portland, Ore............	5-28
7- 1	Mech. equip., Baltimore, Md....	5-28
7- 1	Interior work, Memphis, Tenn. ..	6-18
7- 2*	Post-office, Columbia, Tenn.....	5-28
7- 2	Hospital, Washington, D. C......	6-11
7- 3*	Bldgs., West Point, N. Y..........	6- 4
7- 3	Buildings, Urbana, Ill.	6-18
7- 3	Hospital, Bremerton, Wash.	6-18
7- 3	Sub-Treas. site, San Francisco, Cal.	6-18
7- 3	Building, Dolphin, Man	6-18
7- 3	Hospital, Saskatoon, Sask	6-18
7- 3*	Court-house fittings, White Plains, N. Y.	6-18
7- 6	Jail, Hattiesburg, Miss.	6-18
7- 6*	Roof, Canton, Ohio	6-18
7- 6	Cottage, Delaware, Ohio	6-18
7- 6	Post-office, Marietta, Ga........	5-28
7- 6	Hall, San Jose, Cal...............	6-11
7- 7*	Cottages, Newark, N. Y........	6-11
7- 8	Cement plant, Burrwood, La. (Mfg. Pl.)	6-18
7- 8	Struc. steel, Atlanta, Ga.	6-18
7- 9	Shop, Phila., Pa. (Mfg. Pl.).....	6-18
7- 9*	Post-office, Springfield, Ohio......	6- 4
7-10	Vacuum system, Chicago, Ill......	6-11
7-14*	Wrecking, etc., Chicago, Ill.....	5-28
7-15	Building, Columbia, S. C..........	6-11
7-15*	Post-office, etc., Valdosta, Ga.....	6-11
7-16	Post-office, Augusta, Me..........	6-11
7-20	Post-office, Auburn, Me...........	6-11
7-21*	Post-office, Coldwater, Mich....	6-11
7-22*	Post-office, Paris, Tenn	6-11
7-23	Post-office, Alton, Ill.	6-18
7-24*	Post-office, Belleville, Ill.	6-18
8- 1	Plans, St. Paul, Minn............	4-30
9-23	Court-house, Green Bay, Wis.....	6-18

WATER-WORKS.

6-18	Pipes, Chicago, Ill	6-18
6-18	Water-mains, Berwyn, Ill.	6-18
6-19*	Water bonds, Kiowa, Kan.......	6- 4
6-20	Pumping station, Fort Mason, Cal.	6-11
6-20	Water-wks., Stratford, Tex.	6-18
6-22	Water mains, West Allis, Wis. ..	6-18
6-22	Water-wks., Shelby, N. C.	6-18
6-23	Water pipe, Oakville, Ont.	6-18
6-23	Water-works, Bruce, Wis.........	6-11
6-24*	Pumps, Schenectady, N. Y........	6- 4
6-24*	Water-works, Lancaster, S. C. ..	6-18
6-25	Pump, Grand Rapids, Mich.....	5-28
6-25*	Pumping engine, Grand Rapids, Mich.	6- 4
6-26	Water-mains, New York, N. Y. ..	6-18
6-27*	W.-Works cocks, Wash., D. C..	6-11
6-29*	Filters, etc., Pittsburg, Pa.........	6-11
6-30*	W-Works, Columbia, Miss........	6- 4
6-30*	Pumps, etc., New Orleans, La....	4-22
7- 1	W.-Wks, Lewisberg, Ohio.......	5-28
7- 1*	Pumping station, Elizabeth, N. J.	6- 4
7- 1*	Pipe, Pensacola, Fla.	6-18
7- 7*	Intake pier, etc., Toledo, Ohio....	6- 4
7- 8*	Boilers, Atlanta, Ga...............	6- 4
7-10*	Filters, Reading, Pa.	6-18
7-13*	Boilers, etc., Cincinnati, O.	6-18
7-15*	Channel, Sunnyside, Wash........	5- 7
7-27*	Aqueduct, Los Angeles, Cal.......	6- 4
7-27*	Pump, Houston, Tex	6- 4
7-29*	Pumping plant, New Boston, Ill.	6-18
8-27	Dam, Orland, Cal.	6-11

SEWERS.

6-19	Sewer, Boston, Mass	6- 4
6-19	Sewers, Boston, Mass.	6-18
6-20	Sewer, Evansville, Ind.	6-18
6-22	Sewer, Olyphant, Pa.	6-18
6-22	Sewer, Shelby, N. C.	6-18
6-22*	Sewers, etc., E. Rutherford, N. J.	6- 4
6-23	Sewer, Portsmouth, Ohio	6-18
6-23	Sewers, New York, N. Y.	6-18
6-23	Sewers, Cleveland, Ohio	6-18
6-23	Sewer repair, New York, N. Y...	6-18
6-24*	Sewer, Louisville, Ky.............	6-11
6-25	Sewers, Newton, Kan.	6-18
6-27	Sewer, Fort Adams, R. I.	6-18
6-29*	Sewer, Washington, D. C.........	6-11
6-30*	Sewer, Columbia, Miss...........	6- 4
6-30	Sewerage machinery, New Orleans, La.	5-14
6-30	Sewers, Rushville, Ind.	6-18
6-30	Sewer, Lexington, Ky.	6-18
7- 6	Sewer, Eureka, Cal.	6-18
7- 6*	Sewers, Omaha, Neb.	6-18
7- 6	Sewers, Alameda, Cal.	6-18
7-10	Sewer, Andalusia, Ala.	6-18
7- 1*	Sewer, Elizabeth, N. J.............	5-28
7- 1*	Sewers, Waterloo, N. Y..........	6-11
7- 6*	Sewers, Plainfield, N. J..........	6-11

STREETS AND ROADS.

6-18	Grading, etc., Chicago, Ill.	6-18
6-18	Roads, Coshocton, Ohio	6-18
6-18	Resurfacing, etc., Wilkes-Barre, Pa.	6-18
6-19	Grading, etc., Nashua, N. H......	6-11
6-20	Grading, etc., Wilkinsburg, Pa...	6-18
6-22	Grading, Chanute, Kan.	6-18
6-22	Paving, Richmond, Cal.	6-18
6-22	Road work, Minneapolis, Minn. ..	6-18
6-22	Paving, New Carlisle, Ind.	6-18
6-22	Macadam, Wheeling, W. Va. ...	6-18
6-22	Roads, Fort Dade, Fla	6- 4
6-22	Paving, Aberdeen, S. Dak.	6- 4
6-22	Paving, Warren, Ohio.	6- 4
6-22	Paving, Selma, Ala	5-28
6-23	Road, Toms River, N. J.........	6- 4
6-23	Paving, etc., New York, N. Y. ..	6-18
6-23	Pavement, Taylorville, Ill.	6-18
6-23	Stone, New York, N. Y.	6-18
6-24	Sidewalks, Brilliant, Ohio	6-18
6-24	Macadam, Lebanon, Va.	6-18
6-24	Repaving, Brooklyn, N. Y.	6-18
6-24*	Road, Madison Barracks, N. Y....	6- 4
6-24	Road, Indianapolis, Ind...........	6- 4
6-24*	Paving, Cadiz, Ohio...............	5-28
6-24	Brick paving, Rutland, Ohio......	6-11
6-24	Repaving, Brooklyn, N. Y........	6-11
6-24	Repaving, Hoboken, N. J.........	6-11
6-25*	Brick paving, Adams, Mass......	6-11
6-25	Macadam, Painesville, Ohio......	6-11
6-26	Road impvt., Cincinnati, Ohio....	6- 4
6-26	Sidewalk impvts., St. Louis, Mo..	6-18
6-29	Pavement, New York, N. Y.	6-18
6-29	Street impvt., Cheviot, Ohio	6-18
6-30*	Paving, Wellsville, N. Y.........	6-18
6-30	Road, Farmville, Va.	6-18
6-30	Road, Harrisburg, Pa.	6-18
6-30*	Sidewalks, Washington, D. C...	6-18
6-30*	Paving, Ada, Ohio	6-11
7- 1*	Roads, Fort Barrancas, Fla.......	5-21
7- 1	Crosswalks, Brooklyn, N. Y.	6-18
7- 1	Walks, Columbus, Ohio	6-18
7- 2*	Grading, etc., Northport, N. Y....	6-18
7- 2	Pavement, Bozeman, Mont.	6-18
7- 2	Screenings, New York, N. Y...	6-18
7- 3*	Road, Plainfield, N. J...........	6-18
7- 3	Pike impvt., Cincinnati, Ohio.....	6-11
7- 6	Roads, Tipton, Ind................	6-11
7- 6	Highway, Indianapolis, Ind.	6-18
7- 6*	Macadam, Camden, N. J.	6-18
7- 6*	Road, Salem, N. J.	6-18
7- 7	Road, Jasper, Ind.	6-18
7- 7	Road, Rockville, Ind.	6-18
7- 7	Road, Paoli, Ind.	6-18
7- 7*	Road, Cape May, N. J..........	6-18
7- 7	Roads, Vincennes, Ind...........	6-18
7- 8	Roads, Muncie, Ind...............	6-11
7- 8	Roads, Peru, Ind.	6-11
7-10	Road, Rushville, Ind.............	6-18
7-11	Road, Crawfordsville, Ind.	6-11
7-15	Grading, Cleveland, Ohio	6-18

MISCELLANEOUS.

6-19	Ditch, Council Bluffs, Iowa......	6- 4
6-19*	Breakwater, Boston, Mass.......	6- 4
6-20	Launches, Wash., D. C..........	6- 4
6-20*	Electro-magnetic brakes, Wash. D. C.	6-11
6-20	Railroad siding, Skillman, N. J. (Rys.)	6-11
6-20	Dredging, Wakefield, R. I.	6-18
6-22*	Revetment, Manistique, Mich....	6-11
6-22	Hose wagon, Hartford, Conn.....	6-11
6-23	Fire apparatus, Wash., D. C.....	6-11
6-23	Removing obstruction, Detroit, Mich.	6-11
6-23*	Coal, New York, N. Y..........	6-11
6-23*	Dike, Harrisburg, Pa............	6- 4
6-23*	River work, Columbus, Ohio..	6- 4
6-23	Protection wall, Skaneateles, N.Y.	6-18
6-23*	Cement, Columbus, Ohio	6-18
6-24	Cement, steel, stone, Wash., D. C.	6-18
6-24	Forgings, Washington, D. C.	6-18
6-24*	Seawall, jetties, Ft. Screven, Ga.	6-11
6-24	Reduction works, Columbus, O. (Garbage)	6-11
6-25	Steel steamers, Wash., D. C.....	6-11
6-25	Dredging, Seattle, Wash.........	6- 4
6-26*	Dam, guide walls, etc., Chapman, Ky.	6- 4
6-25	Drinking fountains, New York....	6-18
6-27	Target plates, Phila., Pa.	6-18
6-27	Steel floats, Newport, R. I......	6- 4
6-27*	Concrete wall, Riverton, Ala.....	5-28
6-29	Breakwaters, Coburg, Ont.	6-11
6-29	Lumber, Leavenworth, Kan.	6-18
6-30*	Dredging, Duluth, Minn.	6-18
6-30*	Dredging, rock removal, New York, N. Y....................	6-11
6-30*	Disposal plant, Mont Alto, Pa. (Garbage)	6-11
7- 1	Fog-alarm machinery, Ottawa, Ont.	6-11
7- 1	Ditch, Crookston, Minn..........	6- 4
7-1*	Mechanical stokers, Wash., D. C...	6-18
7- 2*	Dam, etc., Saltpetre, W. Va.....	6- 4
7- 2*	Retaining wall, Wilmington, Del.	6-18
7- 3	Dredging, etc., Bremerton, Wash.	6-11
7- 3	Barge, Panama	6-11
7- 3	Levee, Bledsoe, Ark.	6-18
7- 6	Willows, New Orleans, La.	6-18
7- 6*	Piping, Boston, Mass............	6- 4
7- 8	Canal, Stockton, Cal.	6-18
7- 8*	Levee, Vicksburg, Miss..........	6-11
7- 8	Dam, bridge, etc., Winnipeg, Man.	5-28
7- 9*	Filling, Danville, Pa............	6-18
7-10	Vacuum clean. system, Chicago..	6-11
7-10	Grading, arch, Connersville, Ind.	6-18
7-11	Ash-handling plant, Phila., Pa....	6-11
7-13*	Lock, dam, Vicksburg, Miss....	5-14
7-13*	Lock and dam, Harrisonburg, La.	6- 4
7-15*	Steel gates, Nashville, Tenn....	6-18
7-18	Dry dock, Bremerton, Wash....	6-11
8-14	Light-house, Alaska	5-21
9- 1	Monument designs, Mexico	5-21
No date.	Posts, wire, Sulphur, Okla....	6-11
No date.	Race-track, Winston, N. C....	6-11

FOREIGN.

6-24	Railways, Belgium	6-11
6-25	Quay, Belgium	6-11
7- 1	Bridge, Egypt	6-11
10- 1	Ry. material, Siam	6-11

CIVIL SERVICE.

6-24	Lab. Asst., Wash, D. C.............	4-19
6-24	Mining Engr., Washington, D. C..	6-18
6-27	Asst. C. E., Albany, N. Y..........	6-18
6-27	Inspector, Albany, N. Y........	6-11
6-27	Fisheries Protector, Albany, N.Y.	6-11
6-27	Supt. Training School, Albany, N. Y.	6-11
6-27	Structural Draftsman, Albany, N. Y.	6-11
6-27	Asst. Steam Engr., Albany, N. Y.	6-11
6-27	Chainman, Albany, N. Y........	6-11
6-27	Arch. Draftsman, Albany, N. Y.	6-11
6-27	Eng. Draftsman, Albany, N. Y..	6-11
6-27	Junior Draftsman, Albany, N. Y.	6-11
7- 1	Asst. Coiner—New Orleans, La...	6-11
7- 1	Asst. Chemist, Wash, D. C.....-..	6.11
7- 1	Tech. Asst., Pharmacology, Washington, D. C.......................	6-11
7- 1	Hydro. Draftsman, Wash., D. C..	6-18
7- 1	Mech. Draftsman, Wash., D. C...	6-18
7- 1	Steam Engr., Washington, D. C..	6-18
7- 8	Engineer, Denver, Colo...........	6-18
7- 8	Lab. Asst., Washington, D. C....	6-18
7- 8	Fortification Draftsman, San Francisco, Cal.	6-11
7-22	Elec. Engr.-Mech. Draftsman, Washington, D. C..................	6-11

RAILWAYS.

(denotes that this work is advertised in Engineering News.)*

CHAMPLAIN & SANFORD.—This company, which recently was incorporated in New York with capital stock of $600,000 to build a railroad from Addison Junction to Sanford Hill, N. Y., 58 miles, has filed notice that the route will be changed to make an extension of the road to Riverside, on the Adirondack branch of the Delaware & Hudson. Thus a complete connecting railroad will be in operation through Essex and Warren Counties from Addison Junction, near Ticonderoga, where the D. & H. and Rutland railroads meet, to Riverside. Work will be commenced soon. The incorporators and board of directors are as follows: Charles M. Hyatt, P. O. Box 118; Andrew Thompson, P. O. Box 118; James MacN. Thompson, P. O. Box 118; Guy D. Hills, P. O. Box 118; David A. Thompson, 13 North Pearl St.; Lewis R. Parker, 25 North Pearl St.; Andrew B. Jones, 520 Broadway; Sydney T. Jones, 520 Broadway, and MacNaughton Miller, 200 Washington Ave., all of Albany, N. Y. Mr. J. MacN. Thompson advises us that preliminary surveys have not been completed yet. Company's offices are in the Home Savings Bank Bldg., Albany. Previously noted.

CINCINNATI, KENTUCKY & VIRGINIA.—Incorporation papers have been filed by this company in Kentucky. It is announced that company will build from Cincinnati, Ohio, to Charleston, S. C., 500 miles, via Falmouth, Carlisle, Sharpsburg, Owensville, Salt Lick and Blackwater, Ky. The Licking River R. R., a narrow-gage line, 32 miles long, which is being converted to standard-gage, probably will be part of the system. It runs from Salt Lick via Yale to Blackwater. Its officers are: Harold R. Stone, 652 Railway Exchange Bldg., Chicago, Ill., Pres.; Melvin M. Snow, Secy.; J. W. Morrison, Gen. Mgr., Yale, Ky.

COLORADO.—We are officially informed that Geo. W. Knox, of the Knox Engineering Co., Fisher Bldg., Chicago, will make a general survey for the proposed railroad to be built in southwestern Colorado. It will run from Montrose, Olathe or Delta, Colo., to Paradox, about 104 miles. Right-of-way is being secured. Capital has been obtained. Preliminary organization of a company has been effected. Carmon Layton, Des Moines, Iowa, is interested in the promotion of this project, as noted on May 21.

COTTON BELT.—Plans are under way for commencing construction on this proposed line which will extend from Louisville, Ga., via Vidette and Waynesboro, to a point near Shell Bluff Landing on the Savannah River in Burke County, 40 or 50 miles. Capital stock, $250,000. The incorporators are F. R. Durden, of Savannah; and E. T. Coleman, L. Butts, W. M. Durden, C. A. Graybill, D. B. Durden, Lester Roberts, W. W. Larson and F. R. Brinson, all of Swainsboro, Ga.

DENVER, LARAMIE & NORTHWESTERN.—We are officially advised that contract has been awarded to FREDERICK B. ORMAN, Denver, Colo., for building 64 miles of this line. About six miles of grading are completed. It is planned to have the first section, from Denver to Fort Collins, 125 miles, finished this year. R. H. Dwyer is Gen. Mgr., Denver. Noted on April 30.

ESTACADO & GULF.—Incorporated in Texas to build a line from Roby to Coleman, Tex., 100 miles. Capital, $100,000. Grading is reported nearly complete between Roby and McCauley, twelve miles, and tracklaying is to begin soon. The incorporators are William A. Butts, of Fort Worth, Tex., and New York; W. B. Tate, T. H. London, James J. Jones, John T. Butts, of Weatherford, Tex.; Carl H. Jewell, W. H. Blanchett, B. H. Johnston, G. S. Matthews and F. D. Jones, of Roby, Tex.

JOPLIN & EASTERN.—According to the articles of incorporation recently filed in Missouri, this railway will run from Joplin, Mo., along Joplin Creek to Turkey Creek, to the intersection of Turkey Creek and Spring River, twelve miles. Capital, $500,000. The incorporators are: John B. Christensen, Ernest A. Peters and Henry Rohwer, St. Louis; E. D. Nix and R. M. Sheppard, Joplin.

LOUISIANA.—The railroad to be built by the Southern Mineral & Land Improvement Co. will be a spur five miles long from its quarry to Winnfield, connecting with the Chicago, Rock Island & Pacific, the Tremont & Gulf and the Louisiana & Arkansas lines, besides the Louisiana Railway & Navigation Co.'s railroads. The company is not yet ready to award contracts. Noted last week.

MINNEAPOLIS AIR LINE.—Articles of incorporation were filed by this company on June 6 in Minnesota. Company will build a railroad line from Thief River Falls, Minn., to Roosevelt and ultimately to Zipple Bay, on the Lake of the Woods. The officers of the new company are: William F. Hunt, of Roosevelt, Pres.; T. R. Hasler, of Iowa Falls, Iowa, Vice-Pres.; E. E. Rambusch, Roosevelt, Secy. The other incorporators are Homer B. Leavitt and L. R. Hedberg, of Roosevelt, and Ralph H. Rockwood, of Waterville, Me. The capital stock is $500,000, and this is also the limit of indebtedness which the company is authorized to contract.

MOBILE, JACKSON & KANSAS CITY.—See "New Orleans, Mobile & Chicago Ry."

MOUNTAIN HOME & WHITE RIVER.—W. L. Marshall, Pres., Mountain Home, Ark., advises us that contracts will be let by this company when capital is secured. The line will be ten miles long. Noted on April 9.

NEW ORLEANS, MOBILE & CHICAGO.—A charter has been secured by this company in Mississippi to build from Ovett, Jones County, Miss., to New Orleans, La., 140 miles. The incorporators are W. F. Owen, G. W. Crary, H. M. Hood, W. H. McIntosh and J. C. Rich, all of Mobile, Ala. This railroad will be an extension of the Mobile, Jackson & Kansas City R. R. Capital stock, $7,500,000.

OSHKOSH, WINNECONNE & WAUPACA.—Incorporated in Wisconsin with $100,000 capital, to build a line from Oshkosh, Wis., northwest to Winneconne, thence to Waupaca, about 50 miles. E. H. Steiger, W. H. Bray, Elmer Leach, Louis J. Monahan and E. W. Murphy are the incorporating stockholders.

SOUTHERN UTAH RY.—Company expects to begin work on its proposed line soon from Price, Utah, southwest about 20 miles. It has not yet been determined when bids are to be asked for the work. J. H. R. Franklin, Pres.; A. A. Sweet, Gen. Mgr.; J. F. Williamson, Ch. Engr., Price, Utah. Noted on April 2.

TERRE HAUTE, ROBINSON, OLNEY & SOUTHWESTERN.—This railway will run from Terre Haute, Ind., southwest via Robinson, Ill., and Olney, to Mount Vernon, 125 miles, where connection is to be made with the Wabash, Chester & Western, running to the Mississippi River. Company may ultimately build an extension on the Missouri side of the Mississippi River, southwest about 60 miles. Contracts for some of the work has been let to CHARLES B. DUFFY, St. Louis, Mo. Steel bridges will be built over the Wabash and Embarras Rivers. Harris C. Pugh, Pres., Terre Haute, Ind. Capital stock, $10,000. Incorporators: Horace C. Pugh, H. P. Taussig, Norman H. Moss, W. H. Cisne, S. C. Wilson, George E. Parker and F. W. Lewis, of Terre Haute.

WAYNESBORO, PASCAGOULA & GULF.—Surveys have been completed for this proposed railway from Waynesboro to Scranton, Miss., 107 miles. Construction will not begin until next year. J. R. S. Pitts is Pres., Waynesboro, Miss.

WHEELING & LAKE ERIE.—B. A. Worthington, of Pittsburg, Vice-Pres. and Gen. Mgr. of the Wabash Lines East of Toledo, Ohio, was appointed, on June 8, receiver of the Wheeling & Lake Erie. The road was put into the hands of a receiver on account of claims aggregating $8,791,047, due the National Car Wheel Co., of New York.

WINNIPEG, YANKTON & GULF.—Chartered in Kansas, with headquarters at Great Bend, Kan. Capital, $100,000. The line will run through the following counties and will be about 500 miles long: Smith, Republic, Jewell, Cloud, Mitchell, Osborne, Rooks, Ellis, Russell, Lincoln, Grant, Stanton, Ottawa, Saline, Barton, Rush, Pawnee, Edwards, Stafford, Rice, Reno, Stevens, Morton, Kingman, Pratt, Barber, Kiowa, Comanche, Hodgeman, Ford, Clark, Meade, Haskell, Finney and Seward. The incorporators are: E. W. Moses, C. V. Brinkman, E. S. Allison, C. N. Moses, Chas. Lundblade, O. R. Dawson, J. G. Brinkman, R. A. Charles, V. L. Smith, all of Great Bend, and I. L. Miller, of Russell, Kan.

WISCONSIN NORTHEASTERN.—Company has been incorporated to build a railway from Red Granite to Poy Sippi, Wis., eight miles. Capital, $60,000. Incorporators are: H. W. Colt, J. N. Tittemore, John Moffatt, John McGregor, H. A. Dewel, Charles A. Benedict and W. H. Paulson, of Poy Sippi and Red Granite.

WYOMING SHORT LINE.—This railway will be built from Greybull, on the Chicago, Burlington & Quincy R. R., to Wiley, Wyo., 68 miles, the line to pass through Germania and the new town of Hamilton. Construction probably will begin soon. The officers are: Isaac Miller Hamilton, Pres., 204 Dearborn St., Chicago; C. A. Guernsey, Vice-Pres., Guernsey, Wyo.; S. L. Wiley, Gen. Mgr. & Treas., Wiley, Wyo., and George E. Weese, Secy., Chicago.

WYOMING & SULLIVAN.—Company has secured a charter in Pennsylvania to construct and operate a line eight miles long from Nordmont, Pa., on the Williamsport & North Branch R. R. in Sullivan County, to Ricketts, on the Lehigh Valley in Sullivan County. Capital, $8,000. Theodore G. Wolf, Scranton, Pres.; ex-Lieut.-Gov. L. A. Watres, Scranton; Jacob K. Griffith, Latrobe; G. J. M. Hentleman, Ricketts; Richard M. Hughes, C. M. Hentleman, R. Kessler, Jr., James N. Anderson and J. H. Bryden, Pittston.

ELECTRIC RAILWAYS.

MOUNT HOLLY SPRINGS, PA.—The Mount Holly & Gettysburg Ry. Co., which was recently chartered, has made a survey for its proposed line. Company may not commence construction this year. Noted last week.

BROWNSVILLE, PA.—J. W. Sheldon, of McKeesport, President of the Brownsville, Smithfield & Waynesburg Ry. Co., which proposes to build a network of trolley lines to connect Brownsville, Millsboro, Waynesburg, Wheeling, Washington and other points, has opened offices in the Law Bldg. on North Washington St., Waynesburg. Mr. Sheldon is authority for the statement that the several proposed lines will be built without delay.

The Brownsville, Masontown & Smithfield St. Ry. Co. has awarded contract to PENNSYLVANIA RAILWAY CONSTRUCTION CO., 432 Frick Bldg., Pittsburg, for building the division running from Brownsville to Masontown. As previously noted, the new system will connect Morgantown, W. Va., with Pittsburg. It traverses Fayette, Greene and Washington Counties, is to be 120 miles long and will give rapid transit to 20 enterprising towns in the coal and coke belt. It is expected that the line will be completed within a year. The new company has an authorized capital stock of $2,500,000, of which $2,000,000 has already been subscribed, and is authorized to issue $3,000,000 first mortgage 30-year 5 per cent. gold bonds. W. J. Sheldon, of McKeesport, is Pres. The company will construct a standard-gage electric railway through the towns of Masontown, West Masontown, East Millsboro, Gates, Lambert, Edeborn, Ronco, New Geneva, Point Marion, Smithfield, Republic, Martin, Riverview and Uniontown, and will run from some point on the main line by way of Carmichaels, Rices Landing, Jefferson and Waynesburg, in Greene County, and Zollersville, Clarksville, Bealsville and Bentleysville, in Washington County, connecting with the Charleroi line of the Pittsburg Railways Co., for Pittsburg. The power plant will be located at West Masontown, on the Monongahela River, 1½ miles west of Masontown. E. C. McCollough, of Uniontown, Pa., is Engr.

IRWIN, PA.—The City Council has granted a 33-year franchise to the Irwin & Herminie Elec. Ry. Co. to operate cars in this borough. This company was chartered with a capital of $35,000, to build a line between this city and Herminie, a distance of 5½ miles, as noted on Feb. 13. The line will be subsidiary to the West Penn. Rys. Co. of Pittsburg. Construction will be started soon. The directors are: Holman B. Lynn, of Pittsburg, Pres.; H. C. Mullin, McKeesport; W. B. McCain, Allegheny; A. E. Du Bois and C. W. Schenck, Pittsburg.

PARKERSBURG, W. VA.—Preliminary survey has been made by the Parkersburg, Marietta & Interurban Ry. Co., it is announced, for building a line from Lowell to Coal Run and Beverly, Ohio, ten miles, under charter granted to the Muskingum River Traction Co. The right-of-way and capital have not been secured yet. No steps have been taken toward letting contracts. C. H. Shattuck is Pres. and Gen. Mgr., Parkersburg. Company operates 45 miles of electric railway. J. P. Horstman is Ch. Engr.

ROCKINGHAM N. C.—The Richmond County Transit Co., of Rockingham, has been chartered to operate gasoline and steam cars; also an automobile to convey passengers and freight to any point in North Caroline. Capital, $5,000. The incorporators are T. L. Covington, W. R. Rand and A. S. Dockery, of Rockingham.

OPELIKA, ALA.—The Alabama Ry. & Elec. Co. plans to begin construction work at once. This company proposes to build this year from Lafayette to Eufaula, Ala., 80 miles, and southward from there to the Gulf coast. The officers are A. M. Buchanan, Opelika, Ala., Pres.; Judson C. Chapman, Gen. Counsel and Vice-Pres.; and John M. Shelly, Secy. and Treas., 223 Century Bldg., Atlanta. Capital $200,000. Surveys have been completed and grading has been completed from Lafayette to Opelika. A contract will be let for grading between Opelika and Eufaula soon. Grades and curves will be light. Several short bridges and trestles will be required. Company plans to have at least 15 miles in operation this year. Previously noted.

LAKE CHARLES, LA.—The Lake Charles Ice, Light and Water-Works Co. may build an electric railway extension to the property of the Hi-Mount Land Co.

NASHVILLE, TENN.—Work is being rushed on the Nashville Interurban Ry. H. H. Mayberry, Pres., states that the first cars over the line from Nashville to Franklin will be operated about Sept. 30. The line will connect Nashville, Franklin, Spring Hill and Columbia and Mount Pleasant, 57 miles. D. A. Proctor, Nashville, is Ch. Engr.

BOWLING GREEN, OHIO.—We are officially advised that the Lake Erie, Bowling Green & Napoleon Ry. Co. will build a 6-mile extension from Bowling Green to Tontogany, where it will connect with the Lima & Toledo Traction Co.'s lines. Right-of-way is obtained and surveys are made. E. H. McKNIGHT has the contract. Mr. McKnight is Gen. Mgr. and Ch. Engr. of the L. E., B. G. & N. Ry Co., at Bowling Green.

SPRINGFIELD, OHIO.—Springfield & Washington Ry. Co. has been incorporated to build a line connecting Springfield, Washington Court-House and Chillicothe. Incorporators: George W. Baker, Hiram C. Baker, Charles Baughton, W. E. Roderick, Ulric Sloane and W. W. Keifer. Capital stock, $1,000,000. The property of the Washington Traction Co., which is in operation between Springfield and South Charleston, 14 miles, has been purchased by the S. & W. Co., which has been organized to complete the line in accordance with the original plans.

EAST LIVERPOOL, OHIO.—The Parkersburg Bridge Co. has been incorporated to build a bridge over the Ohio River between Parkersburg, W. Va., and Belpre, Ohio. After the bridge has been completed the company intends to start preliminary work on the construction of a system of interurban railways which will connect Pittsburg, Pa., and Cincinnati, Ohio, the first section being from Pomeroy to Gallipolis, Coolville and Columbus, by way of Logan and Lancaster, Ohio. Application has been made to the government to build the bridge and work will be started as soon as permission is obtained. Capital stock, $400,000. Incorporators: Jason H. Brooks, Joseph G. Lee, Samuel C. Williams, Charles Newell and James Newell, of East Liverpool. Plans have been prepared by E. K. Morse, Engr., Farmers' Bank Bldg., Pittsburg.

KOKOMO, IND.—We are officially informed that the Kokomo, Frankfort & Terre Haute Traction Co. will let contracts this summer or fall for building an electric line from Kokomo to Terre Haute, 104 miles, via Frankfort, Crawfordsville, Rockdale, etc. Right-of-way is now being secured. From Kokomo to Frankfort the electric railway will parallel the Toledo, St. Louis & Western R. R. (steam); and from Frankfort to Rockville and Terre Haute it will parallel the Vandalia R. R. (steam). Dr. A. Guard, Frankfort, is Pres.; D. W. Bolen, Indianapolis, is Vice-Pres. Headquarters are at 411 State Life Bldg., Indianapolis. John A. Shafer, Indianapolis, is Ch. Engr. Company is incorporated with $100,000 capital. Surveys have not been made yet. Previously noted.

VINCENNES, IND.—The Vincennes & Washington Transit Co. has been incorporated for the purpose of building an electric road from Vincennes, Ind., east through Monroe City to Washington, Ind., thence northeast through Davies, Greene, Martin and Monroe counties, to Bloomington; also from a point on the above line near Monroe City northeast through Sullivan and Greene counties to Linton, thence east through Greene and Monroe counties to Bloomington. The general offices of the road will be at Monroe City, Knox County, Ind. Capital stock, $60,000. The incorporators are J. J. Burns, C. F. Burns and J. Frank Monroe, Chicago; M. A. Peoples, Willis W. Claycomb and Charles S. Nausett, Monroe City; P. M. Davidson, Troy, Ill. This road will be built under direction of BURNS & CO., consulting corporation specialists, 705 East Van Buren St., Chicago. The interurban line between Vincennes and Washington, 21 miles, will be constructed first. Work is now under way between Monroe City and Wheatland, four miles. On this part of the road surveys are completed, right-of-way obtained and about one mile graded. BURNS & CO. will purchase all supplies and materials and award all contracts.

TERRE HAUTE, IND.—The Terre Haute & Northern Traction Co. has been incorporated in Indiana to construct and operate street railways in Terre Haute and Markle, Burnet, Fontenet, Coal Bluff, Perth, Diamond and Bridgeton, in Vigo, Clay and Parke counties, and an interurban railroad between and connecting these cities. The company also proposes to build and operate power plants. Capital stock, $100,000. Headquarters, Terre Haute. Directors: W. S. Philips, A. J. Stein, D. Russ Woods and F. C. McKeen.

The Charleston, Westfield, Marshall & Terre Haute Ry. Co. has been incorporated in Illinois with a capital stock of $50,000 for the purpose of constructing an electric railway from Terre Haute, Ind., to Charleston, Ill. Directors: W. B. Scholfield, Norman Bennett and Seymour Hurst, all of Marshall, Ill.; James W. Dawson, M. L. Briscoe, W. L. Briggs, of Westfield, Ill.; W. R. Patton, of Charleston. The officers are: W. R. Patton, Pres.; J. W. Dawson, Vice-Pres., and Seymour Hurst, Secy. Headquarters are at Charleston, Ill.

INDIANAPOLIS, IND.—The Indianapolis, Cloverdale & Terre Haute Traction Co. is now making survey for its line. Company will build an electric railway connecting Indianapolis, West Newton, Mooreville, Gassburg, Monrovia, Hall, Cloverdale, Polen, Asheville, Brazil and Terre Haute. Harry C. Sandusky is Ch. Engr., 413 State Life Bldg., Indianapolis. Noted on May 21.

ADRIAN, MICH.—P. P. Duket, Pres. of the Toledo & Michigan Elec. Ry. Co., 462 Spitzer Bldg., Toledo, Ohio, informs us that contract for construction work has been let to W. C. ROSS, 502 Rookery Bldg., Chicago. Noted on June 4. The company will begin construction work on its line as soon as $300,000 has been subscribed. The company proposes to build an electric railway connecting Adrian, Clayton, Hudson, Pittsford, Osseo, Hillsdale, Janesville and Coldwater. Capital, $1,500,000.

CASEY, ILL.—The Charleston & Casey Traction Co. has been incorporated with a capital stock of $2,500, to construct an electric railway from Charleston, Ill., to Casey, Ill. The principal office is at Casey. Among the incorporators are: H. R. Patton, Charleston, Ill.; William Stull, Charleston, Ill., and S. S. Yanaway, of Casey, Ill. See "Charleston, Westfield, Marshall & Terre Haute Ry.," under Terre Haute, Ind.

KEOKUK, IOWA.—The Keokuk & Columbus Junction Transit Co., of Keokuk, has been incorporated with capital stock of $10,000, to construct and operate an electric railway to connect Keokuk, Charleston, New Boston, West Point, Lowell, New London, Winfield and Columbus Junction. Estimated length, 75 miles. Officers: J. E. Peterson, New London, Pres.; D. B. Hamill, Keokuk, Vice-Pres.; T. A. Craig, Keokuk, Secy.; Ira W. Mills, Keokuk, Treas.

FARIBAULT, MINN.—An ordinance has been passed granting to the Minneapolis, St. Paul, Rochester & Dubuque Traction Co. a 25-year franchise for entrance into Faribault. An extension will be built from Faribault to Shieldsville. On April 30 it was announced that F. A. Martin, Gen. Supt., Minneapolis, had stated that specifications and profiles have been comp[illegible] for this road from Minneapolis and St. [illegible] Minn., to Dubuque, Iowa, and that c[illegible] will be let soon. As noted on Jan. [illegible] G. L. Hunt, Ch. Engr., informed us [illegible] this line will connect Minneapolis and [illegible] Paul with Northfield, Owatonna and [illegible]ester, Minn., Cresco, Decorah and Du[illegible] Iowa, [illegible] miles. Twenty-one miles [illegible] grading have been completed. Right-of-[illegible] is nearly all obtained. Surveys are c[illegible]d. M. W. Savage, Minneapolis, is [illegible] Noted also on Oct. 10 and Oct. 31.

MINNEAPOLIS, MINN.—[illegible] L. Hunt, Ch. Engr., of the Minn[illegible] St. Paul, Rochester & Dubuque Trac[illegible] Co., International Bldg., Minneapolis, [illegible] us that contracts will be let immed[illegible] for building 40 miles of this line, wh[illegible] will connect the cities named in the [illegible]y's title. The railway will be abou[illegible] miles in length. Contracts have been [illegible]ded as follows: B. O. STEVIS, Minn[illegible], 13-mile section; H. A. WHITTI[illegible] Northfield, Minn., 14 miles. Surveys h[illegible] been made. M. W. Savage is Pres., Mi[illegible]lis. Noted on May 7.

HURON, S DAK.—John A[illegible]aver, Pres. of the South Dakota Gas &[illegible] Ry. Co., Huron, informs us that sur[illegible] have been made and right-of-way acqu[illegible] for its proposed electric line from Hur[illegible] Aberdeen and Carpenter, 106 miles. Da[illegible] not been set for letting contracts.

CASSVILLE, MO.—The Cas[illegible] & Western Ry. (steam) which now [illegible]ts Exeter and Cassville, Mo., five miles, will be electrified and extended. We are officially advised that company will do [illegible] own work. Plans are not completed yet. [illegible] M. Mitchell is Pres. and Gen. Mgr.

CHEYENNE, WYO.—Thomas A. Cosgriff, of Cheyenne, has been granted a franchise to build an electric railway in Cheyenne. It is planned to begin construction work immediately. The road is also to be extended to Fort Russell and Frontier Park.

ARDMORE, OKLA.—J. D. Conolly, of Titusville, Pa., and E. A. Rea, of Corydon, Iowa, are interested in the construction of a street railway in Ardmore.

SHAWNEE, OKLA.—It is proposed to begin construction in September on the Oklahoma City, Shawnee & El Reno Rapid Transit Ry. Right-of-way is being secured. The road will be about 70 miles in length and will extend from Shawnee to Oklahoma City, Spencer, Yukon and El Reno. The overhead trolley system will be installed. General office, 108½ Grand Ave., Oklahoma City, Okla. Capital stock, $1,400,000. Officers: W. M. Sawyer, Pres.; J. A. Niblo, Vice-Pres.; C. A. Huber, Secy., and S. L Niblo, Treas. Noted on June 4.

DENVER, COLO.—WILLIAM J. COURSIN, Construct. Engr., House Bldg., Pittsburg, has the contract for construction of an extension of the Denver & South Platte Ry., from Denver to Roxbury Park and Colorado Springs, a distance of 25 miles. It is planned to have the line ready for operation early this summer.

PUEBLO, COLO.—We are officially advised that the Pueblo & Arkansas Valley Elec. Ry. Co. probably will let contracts in about 90 days for building its line, which will extend from Pueblo to Rocky Ford, Colo., 54 miles. Right-of-way has been secured and survey made. N. Douthitt is Pres., Kansas City, Mo. D. L. Macaffree is Ch. Engr., 214 Central Bldg., Pueblo. Noted on March 26.

SPOKANE, WASH.—We are officially advised that surveys have been made by the Okanogan Elec. Ry. Co. for its proposed line from Nighthawk to the head of navigation on the Columbia River, a distance of 80 miles. Right-of-way and capital have been obtained. Contracts for construction are already provided for. A. M. Dewey is Pres.; and M. D. Winder is Ch. Engr., Empire State Bldg., Spokane, Wash. Noted fully on May 14.

SEATTLE, WASH.—An extension of time until May 18, 1909, has been granted to Edwin S. Gill and John McQuade for beginning of construction on an electric railway from Seattle to Everett, under the terms of a franchise granted by the commissioners on May 17, 1906.

SEATTLE, WASH.—Chas. W. Kimball, Secy. and Gen. Mgr. of the Seattle, Snohomish & Everett Ry. Co., states that company is completing its surveys and will begin construction as soon as the route is established. It is to be a standard-gage electric road and it is planned to connect Seattle, Bothwell, Snohomish and Everett. The overhead trolley system will be installed. The company proposes to rent its power from the Seattle Electric Co. Capital, $500,000. Headquarters, 443 New York Block, Seattle. Officers: Clyde C. Chittenden, Seattle, Pres.; J. R. McLaughlin, Seattle, Vice-Pres. Noted on June 4.

ASTORIA, ORE.—Preliminary steps have been taken toward the organization of the Astoria, Seaside & Tillamook Railroad, capital stock $2,000,000, which proposes to build an electric railway from Astoria to Seaside and thence to Tillamook. The company is being organized by F. L. Evans. Noted on June 4.

CONDON, ORE.—The Wasco County Elec. & Power Co. has been organized with capital of $3,000,000 to build from Condon southwest to Antelope, Madras and Bend. Branches will be built to Howard and Dayville. Company may build water power plants that will generate electricity to operate the lines constructed. They would be built on the Deschutes and John Day Rivers. Among the incorporators are: George S. Carpenter, of Fossil; Mark W. Gill, W. H. Grindstaff, Dr. H. I. Kenney, R. L. Donald, H. J. Martin, O. B. Hathaway, E. P. Schow, C. D. Charles and F. S. Munn, of Portland, and F. T. Hurlburt, of Condon.

REDLANDS, CAL.—We are officially advised that surveys have been made by the Redlands Central Ry. for the extension between Redlands and Redlands Junction, Cal, 2½ miles. Right-of-way has not been obtained yet. Capital has been secured. A. G. Hubbard is Pres.; John H. Fisher is Vice-Pres. and Gen. Mgr., both at Redlands.

The Redlands Construction Co. has been incorporated in California with capital stock of $500,000, to construct the Redlands & Yucaipa R. R. Directors: J. M. Neeland, M. N. Newmark, A P Maginness, M. H. French, W. D. Larrabee, Paul Hirsch, S. S. Chesnut, W. M. Campbell and O. M. Miller, of Los Angeles and Redlands. It was decided at a recent meeting of stockholders of the Redlands and Yucaipa Co. to organize this company to have charge of the construction and also to increase the capital stock from $1,000,000 to $2,000,000. A meeting of stockholders has been called for July 23 to vote on the increase in stock. Noted on May 28.

OXNARD, CAL.—We are officially advised that the Bakersfield & Ventura R. R. Co. will do its own construction work. The line connects Hueneme, Oxnard, Santa Paula, Sunset and Bakersfield. T. B. Blackburn is Gen. Mgr.

SANDPOINT, IDAHO.—F. M. Molyneaux, Al. Filson, V. M. McBride and Earl Farwin, of Sandpoint, and V. M. Smith, of New York, have applied for a franchise to construct and operate a street railway system in Sandpoint.

LIGHT AND POWER PLANTS.

(* *denotes that this work is advertised in Engineering News.*)

WAREHAM, MASS.—We are officially advised that the Marion Gas Co., Marion, Mass., will construct a power plant at Wareham to cost from $12,000 to $15,000. Connection will be made with Marion, five miles distant. Overhead wires and underground conduits will be used.

DUNKIRK, N. Y.—See under Manufacturing Plants.

NEW YORK, N. Y.—Plans have been filed for enlarging and remodeling the 2 and 3-story power station of the United Electric Light & Power Co. on 146th St., west of Amsterdam Ave. A 3-story extension will be added and the operating gallery enlarged. The improvements are to cost $18,000. Frank W. Smith is Secy.; W. E. McCoy is Electrical Engr.

SCHENECTADY, N. Y.—See under Buildings.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 29, by C. B. J. Snyder, Supt. School Bldgs., Dept. of Education, for installing electric equipment in new Public School No. 93, on the corner of New York Ave. and Herkimer St., Boro. of Brooklyn, and for alterations and additions to the electric equipments in Public Schools Nos. 32, 48, 49, 73, 87, 93, 168 and 171, Boro. of Manhattan.

*WHITE PLAINS, N. Y.—See under Buildings.

JOHNSTOWN, PA.—Jacob Cauffiel has purchased the electric light plant in Franklin Borough and will organize a company, and bid for franchises for furnishing light to Johnstown and the surrounding territory. The plant at Franklin will be enlarged as soon as the company is formed.

WILKES-BARRE, PA.—Bids are asked until noon, July 23, by Fred. H. Gates, City Clerk, for lighting certain streets of the city of Wilkes-Barre with electric lights for the terms of three, five and seven years, beginning July 1, 1909.

SUMMERHILL, PA.—J. T. Long, of Summerhill, manufacturer of lumber and builders' materials, has secured a franchise for an electric light, heat and power plant. The Borough Council has granted the franchise to the Summerhill Electric Light, Heat, Power & Mfg. Co., in which Mr. Long is interested.

MEADVILLE, PA.—The Water and Light Committee has awarded contracts for an electric light plant, to be in operation in September. The bid of the RIVERSIDE ENGINE CO., of Oil City, Pa., at $4,450, for a gas engine, has been accepted. The engine is to be a horizontal, 2-cylinder, double-acting, 150-HP. engine, with side crank. The PHOENIX IRON WORKS CO., of Reading, Pa., has the contract for the steam engine on its bid of $1,400. This engine is to be 150 HP. The contract for the complete electrical equipment of the plant, including generators, lamps, switchboards, etc., has been awarded to the GENERAL ELECTRIC CO., of Schenectady, N. Y., on its bid of $13,025. The bid of J. C. SMITH & SON, of Reading, for belting, has been accepted. The contract for poles has been awarded to GEORGE ROUECHE, of Reading. The new electric light plant will be installed in the pump station of the city's water-works in Vernon Township. Harry Ellsworth is Supt.

DANVILLE, VA.—The city contemplates construction of a central electric plant at a cost of $150,000. Frank Talbott is Supt. Water, Gas and Electric Dept.

POORS KNOB, N. C.—The W. C. Meares Mill Co. has secured a charter to develop water power, to generate electricity and to erect mills. The capital stock of the company is $12,000. R. L. Doughton is interested.

FLORENCE, ALA.—See under Manufacturing Plants.

KNOXVILLE, TENN.—It is stated that the plans of the French Broad River Power Co., which has been organized to build a dam across the French Broad River, near Knoxville, call for the construction of part of the dam across the point of an island. It is estimated that 750 ft. of dam could be constructed without obstructing the channel of the river. Charles H. Brown is interested.

FREMONT, OHIO.—The Fremont Power & Light Co. has made application to the City Council for the right to use the streets of the city for the purpose of supplying firms and individuals with electricity for lighting and manufacturing purposes. The company proposes to erect a power plant at Ballville to utilize the water of the Sandusky River for furnishing power to run its plant. Two dams will be built across the river, one at Ballville and further up stream. A power-house with a capacity for furnishing 2,000 HP. a day will be built.

NOBLESVILLE, IND.—We are officially advised that the contract for the construction of the proposed hydro-electric plant has been awarded to J. C. DUMONT, of Detroit, Mich. H. von Schon, Wayne County Bank Bldg., Detroit, Mich., is Ch. Engr. for the power company. The output of the plant will be about 800 KW., to be supplied to Noblesville.

DETROIT, MICH.—Bids will be received by the Public Lighting Commission, 40 Atwater St., E., until 4 p. m., July 8, for installing an electrical generating plant in the station of the public lighting plant. F. T. Bowler is Secy.

MORLEY, MICH.—Press reports state that William F. Turner is interested in constructing a power plant and dams here.

NORTH CHICAGO, ILL.—Bids will be received by J. E. Pillsbury, Ch. Bureau of Navigation, Navy Dept., Washington, D. C., until noon, July 15, for the heating and electrical distribution mains and concrete tunnel at the Naval Training Station, Great Lakes, near North Chicago.

BUHL, MINN.—Plant for changes and improvements to be made in the electric light and water plant at Buhl, Minn., are being prepared by Oscar Claussen, Engr., of St. Paul, Minn., and as soon as they are completed bids will be received for material and work of construction.

BRAINARD, MINN.—Plans and specifications have been prepared by George Cadogan Morgan, 69 Jackson Boulevard, Chicago, Ill., Consult. Engr., for the construction of an electric light plant and water-works system for this city. Estimates have been submitted on hydro-electric, gas, oil and steam power plants as follows: Generating plant on Crow River, pole line, pumping equipment, etc., $146,327; gas plant, etc. (complete), $65,677; American Diesel oil engine plant, etc. (complete), $69,857; steam plant (complete), $36,107. The hydro-electric plant would, with the addition of more machinery, give the city over double the amount of power available from other sources at an additional cost of $18,975.

LITTLE ROCK, ARK.—We are officially advised that plans will be prepared by J. W. Bleidt, City Engr., for a power plant capable of supplying 750 arc lamps. A 450-HP. steam turbine will be installed. Estimated cost, $40,000.

NEW FORT LYON (Las Animas post-office), COLO.—The Navy Department, at Washington, D. C., has authorized the award of the contract for installing the electric lighting system at the new hospital at New Fort Lyon to the D'OLIER ENGINEERING CO., 121 South Eleventh St., Philadelphia, Pa., for $8,652.

SEATTLE, WASH.—Bids were received on May 28 by William Markham, Secy. Bd. of Regents, State University, for construction of power plant, etc., for University, Howard & Galloway, Administration Bldg., A. Y. P. Exposition, Seattle, are Archs. Power plant: Strehlow, Fresse & Peterson, $90,939; Hallidie Machinery Co., 315 Second St., South Seattle, $72,900 and $77,971; Charles C. Moore & Co., $92,987 and $88,918; Crocker-Wheeler Co., $74,277; Westlake Construction Co., for house and plant, $114,600. For power-house: A. E. White, $20,715; H. D. Stewart, $18,177; Strehlow, Freese & Peterson, $20,012; Lunz & Peters, $21,326; Mathew Dow & Co., $17,173; E. J. Rounds & Co., $15,995; H. Chase & Co., $15,907; Kieburtz, Smith & Rountree, $20,775; F. Allen, $17,680, and Western Lime Co., $19,900.

SPOKANE, WASH.—Plans for a $75,000 electric water power plant have been completed by a company under the name of the Orient Water Power Co. and preliminary plans for the Ferry County plant have been made. The company was organized recently and incorporated with Arthur Phillips, Pres.; Col. E. D. Sanwers, Vice-Pres., and William Davidson, Secy. The incorporators are all of Spokane.

LITTLE FALLS, WASH.—Work on a power plant costing $500,000 has been started by the Washington Water Power Co., of Spokane, Wash., at Little Falls, on the Spokane River, near Reardan, Wash. A head of 68 ft. will be secured and 30,000 HP. developed, the work requiring nearly two years. D. L. Huntington is Mgr.

MARYSVILLE, CAL.—The Great Western Power Co., Crocker Bldg., San Francisco, and 115 Broadway, New York, is taking preliminary steps toward the installation of a reserve electrical power plant in Yuba County hills, it is stated. The plan is to take water from the Yuba River near Goodyear Bar in a ditch for a distance of 25 miles to Pittsburg Hill, where the power-house will be located. Jason R. Meek, County Surv., is surveying for the line of the ditch.

TORONTO, ONT.—P. W. Sothman, Ch. Engr. of the Hydro-Electric Power Comn., Toronto, has announced that the right-of-way from Niagara Falls to Toronto has been secured. The Commission has decided to place the main switching station near Dundas, as it will shorten the distance to Toronto.

LONDON, ONT.—The City Council has signed a contract to use power to be supplied by the Hydro-Electric Power Commission, Hon. Adam Beck, Continental Bldg., Toronto, Ont., Chn.

PORT ARTHUR, ONT.—At a joint meeting of the City Council and Board of Commissioners it was practically decided to follow the power improvements along Current River as designed by Cecil B. Smith, Confederation Life Bldg., Toronto, Ont. They will proceed at once with improvements of Onion Lake dam and the construction of a reservoir above the power-house. There will be an increase in the height of the dam of eight feet. Nothing is to be done on the Paquette, which gave way, or the Hazelwood dam.

CALGARY, ALTA.—The Electric Light Committee has recommended for acceptance the bids of the Robb Engineering Co., of Amherst, N. S., at $20,226, for a cross-compound engine and of the Allis-Chalmers-Bullock Co., Montreal, at $15,980, for a generator, exciter, etc.

VANCOUVER, B. C.—Plans are being made by E. K. Rogers to erect a $40,000 power plant in connection with the Hidden Creek group of mines at Goose Bay, Observatory Inlet. The plant will be installed this summer.

CRESTON, B. C.—C. H. Mitchell, Consult. Engr., Toronto, Ont., has been engaged by the Creston Electric Light & Telephone Co., to report upon a plan to generate light and power from the Goat River Falls. George M. Benney is Pres.

BRIDGES.

(* *denotes that this work is advertised in Engineering News.*)

BRATTLEBORO, VT.—The Selectmen on June 10 awarded the contract for the construction of a reinforced-cement bridge over the Whetstone Brook in West Brattleboro to the LEY CONSTRUCTION CO., of Springfield, Mass. The bridge will be 60 ft. in the clear, with a roadway of 21 ft. and a sidewalk of 5 ft. in addition.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 23, by Louis F. Haffen, Pres. Boro. of Bronx, for constructing the extension of the bridge over the Bronx River at 177th St.

NEW YORK, N. Y.—The Municipal Art Commission on June 9 approved the plans for the construction of a foot bridge of concrete and steel to be constructed in East 167th St. across the tracks of the New York Central R. R. Estimated cost, $90,000.

BUFFALO, N. Y.—Bids are asked until 11 a. m., June 26, by the Department of Public Works for the construction of the substructure of a bridge on River St., over Slip No. 1.

BLOOMSBURG, PA.—We are officially advised that all bids were rejected on June 9 by the County Commissioners for constructing three steel beam bridges in Stillwater Borough. A. B. Black is Clk. Comrs.

*PHILADELPHIA, PA.—The following contracts were awarded on June 11 by George R. Stearns, Dir. Pub. Wks., for the construction of bridges: Bridge over the Pennsylvania railroad at 42d St., 24th Ward, OWEGO BRIDGE CO., Owego, N. Y., at $76,950; bridge over the Philadelphia, Baltimore & Washington R. R. at 61st St., 40th Ward, CAREY & REED, at $27,950; bridge over the Oxford road branch of the connecting railroad along the line of the Northeast boulevard, 35th Ward, CRAMP & CO., Commonwealth Bldg., Philadelphia, $25,325.

ALLENTOWN, PA.—Bids are asked until June 29 by the Board County Commissioners for constructing a reinforced-concrete bridge across Mill Creek at New Smithville, Weisenburg Township. James Petter is Chn. Bd.

SOMERSET, PA.—Bids are asked by the Commissioners until noon, July 1, for the construction of several bridges. Josiah Specht is Chn. Comrs.

NORFOLK, VA.—Bids are asked until June 30 by the Board of Control for the construction of a reinforced-concrete bridge about 100 ft. long and 52 ft. wide. W. T. Brooke is City Engr.

MAX MEADOWS, VA.—Bids are asked until July 6 by the Board of Supervisors of Wythe County for the construction of an iron bridge 150 ft. long and 16 or 18 ft. wide over Reed Creek, 3½ miles from here. J. H. McGavock is Chn. Bd.

PARKERSBURG, W. VA.—The Parkersburg Bridge Co., which was recently organized by James and Charles Newell, of Newell, W. Va.; Joseph G. Lee, S. C. Williams and J. H. Brooks, of East Liverpool, Ohio, intends to erect a steel bridge to cost $400,000 over the river from Parkersburg, W. Va., to Belpre, Ohio, and secure the controlling interest in a number of important street railways on the Ohio River. Plans are being prepared by E. K. Morse, Farmers' Bank Bldg., Pittsburg, Pa.

GREENWOOD, MISS.—Bids are asked by Leflore County until July 6 for constructing a bridge across the Tippo River; an 80-ft. bridge over Goose Pond Slough; bench bridge across Swift Bayou; bench bridge across bayou on McNutt Road; and bench bridge over cave on river bank. C. W. Crockett is Clk.

VICKSBURG, MISS.—The following bids have been received by the Warren County Board of Supervisors for repairing the Hankinson's Ferry drawbridge: W. T. Young Bridge Co., $7,700; T. T. SMITH, Vicksburg, $5,300 (awarded contract); Missouri Valley Bridge & Iron Co., $8,200; E. P. Alsberry & Son, $8,500.

VICKSBURG, MISS.—The following bids have been received by the Warren County Board of Supervisors for constructing a draw bridge at Ivanhoe, over Big Black River: Missouri Valley Bridge & Iron Co., Dallas, Tex., $14,200; E. P. Alsberry & Son, $15,500; W. T. YOUNG BRIDGE CO., $13,500 (awarded contract).

SHREVEPORT, LA.—Plans have been forwarded to the Chief of Engineers, U. S. A., for approval for the traffic bridge to be constructed across the Red River here. E. R. Bernstein is Mayor, Shreveport, La.

DAYTON, OHIO.—The date for receiving bids for the construction of the Dayton View bridge has been extended to July 18. William A. Budroe is Clk. Bd. Pub. Ser.

DRESDEN, OHIO.—Bids are asked until noon, June 29, by L. E. Breisford, County Audr., for repairing the 450-ft. span suspension bridge over the Muskingum River here, by renewing both trusses and floor system, etc.

MIDDLETOWN, OHIO.—The County Commissioners on June 9 rejected all bids for the construction of the Tytus Ave. bridge and instructed L. A. Dillon, County Engr., to prepare new plans in accordance with specifications agreed upon with the engineer of the traction company and decided to readvertise for bids.

COSHOCTON, OHIO.—Bids are asked by the Commissioners of Coshocton County until July 8 for the construction of the substructure and superstructure of a 144-ft. span over Wills Creek, Linton Township; and of a 50-ft. swing bridge over the Walhonding Canal, Jackson Township. George J. Bock is County Surv.

EMISON, IND.—Bids are asked until 2 p. m., July 7, by the Board of Commissioners of Knox County for the construction of a bridge here. John T. Scott is County Audr.

RICHMOND, IND.—Bids are asked by the Commissioners of Wayne County until noon, June 27, for the repair of the Middleboro pike bridge in Wayne Township; repair of Sugar Grove bridge in Clay Township; repair of Thornburg bridge in Dalton Township, and for the construction of a heavy fill at Eleason bridge in Harrison Township. D. S. Coe is County Audr.

MUSKEGON, MICH.—Bids are asked until noon, June 25, by the County Supervisors, T. B. Crocker, Secy., for constructing a steel draw-bridge, 100 ft. long, over the Muskegon River at Bank St.; a bridge over Mona Lake in Norton Township, 1,000 ft. long, and a 200-ft. steel bridge over the Muskegon River at Maple Island.

SAGINAW, MICH.—Bids are asked until noon, June 23, by J. W. Ederer, County Rd. Comr., for the construction of a bridge and the removal of the old bridge over the Tittabawassee River and the flats on the Gratiot road. The bridge will be a steel or reinforced-concrete sub and superstructure, consisting of nine spans, each 90 ft. center to center of end bearings—four spans over the river, three spans over the east channel, and two spans over the west channel. The roadway will be 20 ft. in the clear. Plans and specifications may be examined at the office of the County Road Commissioner.

CHICAGO, ILL.—Bids are asked until 11 a. m., June 20, by the Department Public Works for the labor and materials for the construction of the superstructure of a bascule bridge over the north branch of the Chicago River at Erie St. Separate bids are also asked for constructing the substructure.

Bids were opened on May 27 by I. J. Bryan, Clk., Sanitary District of Chicago, for excavating certain premises adjacent to the Chicago River and the main channel of the Sanitary District and for building docks. Work comprised in Divisions 1 to 7 inclusive, the contract was awarded to JAMES O. HEYWORTH, Chicago, at $137,525.

CHICAGO, ILL.—The Sanitary District on June 10 decided to abandon the old 8-track bridge at Western Ave., which has not been completed, and put in its place four single-leaf spans, two to operate from each side of the river. Isham Randolph, Consulting Engr., believes the change will result in a saving of $180,000.

MILWAUKEE, WIS.—The contract for repairing the North Ave. bridge was awarded on June 5 by the City to the MILWAUKEE BRIDGE CO., Milwaukee, at $10,750. Chas. G. Poetsch is City Engr.

*MILWAUKEE, WIS.—Bids are asked until July 6, by Charles J. Poetsch, City Engr., for construction of a concrete steel viaduct, consisting of two 100-ft. arches and approaches.

CROOKSTON, MINN.—Bids are asked until June 23 by the County Board for constructing a 32-ft. steel bridge, with concrete backing, across Polk County Ditch No. 66, town of Tabor, and a 70-ft. span steel bridge across Sand Hill River, village of Climax. N. A. Hoffard, County Audr.

MITCHELL, S. DAK.—Bids are asked until June 26, by H. B. Anderson, County Audr., for constructing five bridges as follows: 70-ft. steel bridge on cement abutments in Mitchell Township; 60-ft. steel bridge on cement abutments in Blendon Township; 40-ft. steel bridge on steel legs in Loomis; a truss bridge on cement abutments in Ethan; 16-ft. long pile bridge in Rome Township.

KANSAS CITY, MO.—Bids are asked until June 25 by the County Clerk, Kansas City, for constructing a 50-ft. steel-truss bridge on road west of Sibley, and one near Arch Stayton; also reinforced-concrete arch and courses of rubble masonry over Heart Grove Creek, on Holmes Road, and stone abutments for said bridges.

HOUSTON, TEX—The ROANOKE BRIDGE & IRON CO., Roanoke, Va., has been awarded contracts at about $40,000, for constructing several railway bridges in the State.

WENATCHEE, WASH.—Bids are asked by the County Commissioners of Chelan County until 2 p. m., June 29, for the construction of two bridges. John Godfrey is Clk. Bd.

GUADALUPE, CAL.—The Board of Supervisors have awarded the contract for the construction of the steel bridge over the Santa Maria River to the MINNEAPOLIS STEEL & MACHINERY CO., Minneapolis, Minn., at $51,400.

SACRAMENTO, CAL.—Bids are asked until 10 a. m., June 24, by the Board of Supervisors of Sacramento County for the construction of a steel truss consisting of one steel span of 200 ft., and two steel spans of 60 ft. each, with two concrete piers and two concrete abutments, etc. William B. Hamilton is Clk. Bd.

SAN DIEGO, CAL.—Plans and specifications have been completed for the construction of 360-ft. bridge over the San Diego River. Bids will soon be asked.

LEWISTON, IDAHO.—Bids are asked until 10 a. m., July 14, by W. L. Gifford, Clk. Bd. County Comrs., for the construction of a bridge across Lawyers' Canyon.

LANDSING, ONT.—CLARK & MONDS, of Toronto, Ont., have been awarded the contract for the construction of a 60-ft. reinforced-concrete arch over the Don River, east of Landsing.

MITCHELL, ONT.—A. HILL & CO., of Mitchell, have secured the contract for the construction of five bridges in Stanley Township.

FREDERICTON, N. B.—Bids are asked by the Department of Public Works until July 20 for constructing three metal superstructure spans of the Fredericton highway bridge, between the city and the south end of the already revised work. John Morrissy is Ch. Comr. Pub. Wks., Fredericton.

BUILDINGS.

(** denotes that this work is advertised in Engineering News.*)

AUGUSTA, ME.—Bids are asked until 3 p. m., July 16, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction complete (except elevator) of an extension to the U. S. post-office, court-house, etc., at Augusta.

DOVER, N. H.—Bids were opened as follows June 8 at the office of James Knox Taylor, Superv. Arch., Treasury Dept., Washington, for the construction of a post-office building at Dover, H. H.: Woodberry & Leighton, 166 Devonshire St., Boston, $59,440; Charles H. Holmes, Portsmouth, Va., $67,700; Conners Bros. Co., 161 Plain St., Lowell, Mass., $63,495; Norcross Bros. & Co., 10 East Worcester St., Worcester, Mass., $65,980; W. H. Fissell & Co., 1133 Broadway, New York, $60,950; Wm. R. Compton Realty & Building Co., Elmira, N. Y., $65,000; J. A. Mindell Co., Manchester, N. H., $84,442.

BOSTON, MASS.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 2 p. m., June 20, for a site for the proposed custom-house. A block containing not less than 20,000 sq. ft. area, surrounded on all sides by streets is preferred. A corner lot should be approximately 170 × 196 ft.

NEW BEDFORD, MASS.—We are officially advised that the Committee on City Property which received bids for the alteration of the library building into a municipal office building on June 10 has voted to reject all bids, the amount of the lowest bid having exceeded the amount of the available appropriation. The bids were as follows: J. B. Sullivan & Son, New Bedford, $272,627; Henry T. Bulamn, New Bedford, $279,000; H. A. Miller, New Bedford, $293,000; Z. B. Davis Corporation, New Bedford, $323,795; J. W. Bishop Corporation, Worcester, $329,765. Samuel C. Hunt, Arch., Odd Fellows' Bldg., will be instructed to modify the plans and specifications before new bids are asked.

NEW BRITAIN, CONN.—The contract for constructing the post-office building in this city has been awarded to F. T. NESBIT & CO., INC., 116 Nassau St., New York, for $88,200, with $1,650 additional for sanitary glass instead of marble in toilet rooms.

HARTFORD, CONN.—Bids are asked until 5 p. m., June 27, by Newman Hungerford, 45 Prospect St., Hartford, for constructing the Theodore A. Hungerford Memorial Library at Harwinton, Conn. McLane & Wright, 110 Tremont St., Boston, Mass., are Archs.

Contracts for the construction of a 12-room school building of the Northeast School District, from plans of F. A. Whiton, were awarded June 12 as follows: Masonry, J. H. GROZIER; carpentry, F. D. KENT; plumbing, HANLON & MURPHY, 280 Asylum St.; heating, JAMES T. MURRAY, 250 Asylum St.; tile and mantel, WHITE & WHITTEMORE; painting, JNO. M. DEADY; steel work, BERLIN CONSTRUCTION CO., Berlin, Conn.

AUBURN, N. Y.—Bids are asked until June 25 by the Board of Estimate and Control for a 2-story and basement high and grammar school to cost $125,000. Samuel E. Hillger, Seward Bldg., Auburn, is Arch.

BUFFALO, N. Y.—Plans have been accepted for the proposed building of the Buffalo General Electric Co., Fidelity Bldg., to occupy the site of the old Gruener Hotel, at Genesee and Washington Sts., and the work of construction will be begun in a few days. York & Sawyer, Archs., 156 Fifth Ave., New York, prepared the plans, which call for an 8-story building, of octagon shape, with a frontage of 75 ft. on Washington and Genesee Sts. and extending 100 ft. east on Huron St. The structure will be fireproof. The first story will be of stone and the rest of the building will be of light-colored brick. The basement will be used for a transforming station, and there is to be a showroom for the exhibition of electrical appliances. Administration offices will occupy the second floor, and the remaining floors will be rented.

Plans have been completed and bids will be received in about two weeks by Albert L. Brockway, 37 Syracuse Savings Bank Bldg., for a 2-story and basement residence, 46 × 100 ft., at 1008 East Genesee St., for Crouse Klock. Marble or granite for first story and press brick for second story will be the materials used in construction. Cost, $45,000.

James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has awarded contract for the construction of a Marine Hospital building at Buffalo, N. Y., to the DUROLITHIC CO., 460 Ellicott St., Buffalo, at $82,861. Time, July 1, 1909. Noted on May 28.

FORT TOTTEN, N. Y.—Bids are asked by the Constructing Quartermaster, Fort Totten, until 3 p. m., June 26, for the construction of one set of commanding officers' quarters including heating, plumbing and electric lighting.

HUNTINGTON (L. I.), N. Y.—Adden & Parker, 12 Bosworth St., Boston, Mass., and William S. Phillips, New York, Archs., have completed plans for a 3-story high school building to be erected by the Board of Education, Huntington. Cost, $80,000.

*WHITE PLAINS, N. Y.—Bids will be received at the office of the Board of Supervisors, White Plains, until 11 a. m., July 3, for various fittings for the Supreme Court Building and the Hall of Records Building of the **Westchester County Court-house, White Plains.**

CATSKILL, N. Y.—W. J. Beardsley, Arch., 49 Market St., Poughkeepsie, N. Y., will prepare plans for the court-house to be erected at Catskill for Greene County. Cost, $100,000.

NEW YORK, N. Y.—Hoppin & Koen, Archs., 244 Fifth Ave., advise us that the City will advertise for constructing a police station at Beach and Varick Sts. The structure will have five stories, 107.11 × 100 ft., and will cost $175,000.

We are officially advised that Hunt & Hunt Archs., 28 East 21st St., are preparing plans for a police station, 165 × 30 ft., to be built at Old Slip and South St., at a cost of $225,000.

The general plans of McKim, Mead & White, Archs., 160 Fifth Ave., for the proposed municipal office building, were approved on June 9 at a meeting of the Municipal Art Commission. They call for an expenditure of $8,000,000. The building is to be erected on the two blocks bounded by Tryon Row, Centre St., Duane St. and Park Row. It will be a steel frame structure, faced with granite and limestone, covering an irregular-shaped area of about 70,000 sq. ft., 25 stories high and surmounted by a tower rising about 200 ft. above the roof line. The total height of the building will be about 550 ft. above the street. Noted on April 30.

We are advised by G. F. Pelham, Arch., 503 Fifth Ave., that the Pinehurst Realty Co., Fort Washington Ave. and 181st st., is taking estimates on a $170,000 6-story apartment building to be built on the premises.

NEW YORK, N. Y.—Moore & Landsiedel, Archs., 148th St. and Third Ave., advise us that they have prepared plans for a 5-story brick and stone apartment building, 53.2 × 90 ft., for Donald Robertson, 256 West 108th St. Cost, $60,000. No estimates have been taken.

The Art Commission has approved of plans for Public School No. 84, Glenmore Ave. and Watkins St., Brooklyn, to cost $225,000; also for a nurses' home and training school for the Kings County Hospital, to cost $225,000.

Plans have been filed for the 6-story apartment house to be erected by Patrick McMorrow at the corner of Audubon Ave. and 170th St., on plot 100 × 100 ft. Neville & Bagge, 217 West 125th St., are Archs. The building is to cost $175,000.

NEW YORK, N. Y.—The following bids were received on June 16 by John W. Brannan, Pres. of Bd. of Trustees, Bellevue and Allied Hospitals, for plumbing work at Bellevue Hospital: James Fayes Sons, 101 West 66th St., $94,747; Frank J. Fee, 415 West 40th St., $73,080; Wells & Newton, 15 Cortlandt St., $72,580; Wm. C. Ormond, 909 President St., Brooklyn, $83,900; Fentzlaff Heating & Plumbing Co., 114 East 28th St., $82,396; Christopher Nally, 2184 Broadway, $79,700; George E. Gibson Co., 511 Park Ave., $93,400; Byrne & Murphy, 353 East 78th St., $73,500.

NEW YORK, N. Y.—Bids are asked by C. B. J. Snyder, Supt. School Bldgs., Dept. of Education, until 11 a. m., June 29, for installing heating and ventilating apparatus in New Public School No. 158, on Ashford St., Belmont Ave. and Warwick St., Boro. of Brooklyn; for repairs to heating and ventilating apparatus of Public Schools Nos. 4, 8, 9, 11, 31, 32, 37 and 42 and Morris High School, Boro. of the Bronx; for alterations, repairs, etc., for Public Schools Nos. 6, 18, 49, 53, 59, 70, 73, 74, 76, 77, 96, 116, 135, 158, 183, 190, Boro. of Manhattan; for repairs to heating and ventilating apparatus of Public Schools Nos. 10, 30, 57, 72, 119, 159, 170, 171 and Wadleigh High School, Boro. of Manhattan; for alterations, repairs, etc., to Public Schools, Nos. 13, 14, 17, 18, 19, 67 and 74, Boro. of Queens; for alterations, repairs, etc., to Public School No. 72, Maspeth Ave., Maspeth, Boro. of Queens.

The following bids were received on June 16, by C. B. J. Snyder, Supt. School Bldgs., Dept. of Education, for the general construction, etc., of additions to and alterations in Public School No. 126, on the north side of Meserole Ave., between Lorimer and Guernsey Sts., Boro. of Brooklyn: Peter Guthy, 924 Broadway, Brooklyn, $112,472; J. & L. Moreland, 1910 Park Ave., $127,985; Ormonde & O'Brien, $116,760; James McArthur, 22 Ormond Pl., Brooklyn, $115,975; John T. Reilly, 103 Park Ave., $121,000; John Kennedy & Co., 103 Park Ave., $109,000; Guidone & Gilardi, 1 Madison Ave., $118,500; Wilmarth Building Co., $118,692; William Werner, 892 Forest Ave., $121,892; John Auer & Son, 648 Lexington Ave., Brooklyn, $114,495; Thomas McKeown, 512 West 110th St., $116,343; Harry Berry & Co., 101 West 66th St., $117,340; George T. Driscoll, 548 Union St., Brooklyn, $115,969; Clarke & Stowe, 221 Greenpoint Ave., Brooklyn, $111,700.

Bids were received at the same time and place for the general construction, etc., of additions to and alterations in Public School No. 87, on west side of Dry Harbor Road (Washington Ave.), between Pulaski and Wayne (Lafayette) Sts., Middle Village, Boro. of Queens, as follows: Peter Guthy, 924 Broadway, Brooklyn, $144,997; Patrick Gallagher, 1181 Broadway, New York, $169,524; Ormonde & O'Brien, $158,937; James McArthur, 22 Ormonde Pl., Brooklyn, $151,000; Guidone & Gilardi, 1 Madison Ave., $160,500; Thomas Cockerill & Son, 147 Columbus Ave., $158,000; Wilmarth Building Co., $159,789; William Werner, 892 Forest Ave., $158,993; John Auer & Son, 648 Lexington Ave., Brooklyn, $149,995; Harry Berry & Co., 101 West 66th St., $149,730; Charles H Peckworth, 415 Hudson St., $156,388; O'Connor & Hanna, 271 West 125th St., $151,300; Patrick Sullivan, 230 Grand St., $152,850; Clarke & Stowe, 221 Greenpoint Ave., Brooklyn, $154,300.

The following bids were received by Robert W. Hebberd, Comr. Public Charities, on June 15 for the excavation, masonry, steel and iron work, roofing and metal work, carpentry, electric work, heating and ventilating work, plumbing work and all other work (except certain kitchen, sterilizing and lighting fixtures, refrigerators and vacuum sweeping machinery), as set forth in the drawings and specifications for (a) the construction and entire completion of a staff house, and (b) the extension of two tuberculosis infirmaries, for the Metropolitan Hospital District, Blackwells Island, Boro. of Manhattan, the City of New York: Thomas B. Leahy Building Co., 5 East 42d St., (a) $63,989, (b) $157,973; R. J. Mahoney, (a) $63,479, (b) $156,900; F. T. Nesbit & Co., 116 Nassau St., (a) $62,458, (b) $150,492; Daniel J. Ryan, 723 Third Ave., Brooklyn, (a) $61,850, (b) $153,800.

NEW YORK, N. Y.—See under Manufacturing Plants.

NEW YORK, N. Y.—We are officially advised that SNARE & TRIEST, 143 Liberty St., have contract, at $465,000, for constructing ferry houses at the Staten Island ferry terminals at Battery Park. Charles W. Staniford is Ch. Engr., Dock Dept; Allen N. Spooner is Comr.

Plans have been filed for a 12-story apartment house to be built by the Akron Realty Co., L. S. Bing, Pres., at the corner of Riverside Drive and 113th St. The structure will front 104 ft. on the Drive and 107 ft. on the street, and will have apartments for two families on each floor. Schwartz & Gross, Archs., 35 West 21st St., estimate the cost at $800,000.

We are advised by Robert T. Lyons, Arch., 31 Union Sq., that he is preparing plans for a 12-story reinforced-concrete fireproof hotel to be built on the Plaza at Prospect Park, Brooklyn, at a cost of about $3,000,000. The building will contain a private heating and lighting plant, a cold storage plant, Turkish baths, eight plunger elevators, interior telephone system and bowling alleys. It will be built by the Consolidated Mortgage Co., Produce Exchange Bldg., New York. A. H. Muller is Pres.; N. A. Macbride, Vice-Pres.; C. J. Zimmerman, Secy.

Marshall & Fox, Archs., First National Bank Bldg., Chicago, Ill., are preparing plans for a theater for Maxine Elliott and Sam & Lee Shubert, New York. Cost, $300,000.

SCHENECTADY, N. Y.—It has been announced by the Treasurer of Union College that the $100,000 subscription toward the construction of a new electrical engineering building at Schenectady, had been filled. The college is in position to claim the Carnegie $100,000 which had been offered, conditioned on raising a like sum. The new building is estimated to cost $200,000, and the college authorities expect to begin work next fall.

SYRACUSE, N. Y.—Bids have been rejected by Archimedes Russell & Melvin L. King, Archs., 601 Snow Bldg., for the House of Providence building for St. Vincent's Sisterhood. Estimate cost, $100,000.

*WAMPSVILLE, N. Y.—We are officially advised that Contracts were awarded on June 12 by the Board of Supervisors of Madison County for the erection of a court-house and jail as follows: Court-house construction, $99,964, W. H. FISSELL & CO., St. James Bldg., New York; electric wiring, court-house, $1,134, CRONIN & PIERSON, 115 S. Salina St., Syracuse, N. Y.; heating and plumbing, court-house, $6,424, W. H. FISSELL & CO., St. James Bldg., New York; jail construction, $31,279, MARCELLUS, BALLARD & JOHNSON, Oneida, N. Y.; cell work for jail, $13,932, CHAMPION IRON CO., Kenton, Ohio; heating, plumbing and lighting, jail, $6,490, JOHN R. SMITH, Oneida, N. Y. J. Riley Gordon, 405 Fifth Ave., New York, is Arch. for court-house. W. J. Beardsley, Poughkeepsie, N. Y., is Arch. for jail.

ELIZABETH, N. J.—Bids are asked until June 24, by the Board of Education for constructing a 3-story brick school building, 95 × 123 ft., to cost $90,000. It will have reinforced-concrete corridors and brownstone trimmings. Clyde S. Adams, 1233 Arch St., Philadelphia, is Arch.

WILKES-BARRE, PA.—Bids are asked until 2 p. m., June 25, by James M. Norris, County Controller, for enlarging the Luzerne County prison. McCormack & French, Laning Bldg., Wilkes-Barre, are Archs.

NEW CASTLE, PA.—W. G. Eckles, Arch., Lawrence Trust Bldg., New Castle, Pa., advises us that bids will be received for constructing a 3-story fireproof high school, 200 × 175 ft., to cost about $200,000.

FORD CITY, PA.—We are officially advised that bids will be received at once by the Board of School Controllers for constructing a brick and terra-cotta fireproof high school building. W. J. Chain is Secy.; W. G. Eckles, Lawrence Trust Bldg., New Castle, is Arch.

PITTSBURG, PA.—Charles Bickel, Arch., 524 Penn Ave., is preparing plans and will take estimates at once for a 12-story business block, 30 × 112 ft., to be built at Fifth and Liberty Aves. The structure will be of structural steel, brick and ornamental terra cotta, and will be erected by Herbert L. May, of the May Drug Co., of this city. It will have its own power and steam heating plants. Noted on June 11.

PITTSBURG, PA.—Plans prepared by Jenssen & Abbot, Archs., have been adopted by the Y. W. C. A. for its proposed building to cost $300,000. The building is to be six stories high, of a colonial type, designed to come within the amount stipulated by the committee. It will be located on Chatham St., about 200 ft. from Fifth Ave., on a plot of ground 120 × 96 ft. The old brick dwellings on the property will be razed and work started at once. The Building Committee includes Wilson A. Shaw, Chn.; John R. McCune, John M. Hastings, Mrs. John G. Holmes and Miss Harriet S. Vance, Gen. Secy.

Revised plans for the construction of the addition to the Fort Pitt Hotel have been approved, and on June 11 the contract for the building was awarded to JAMES L. STUART, 341 Sixth Ave., Pittsburg, covering the excavations, foundations, masonry and steel work. The cost of the structure will be between $400,000 and $450,000. The building will occupy the ground already cleared for it adjoining the present building of the hotel, and having an area of 120 × 108 ft. It will be completed October 15. Jenson & Abbott, of Pittsburg, are Archs., and Theodore Starrett, 103 Park Ave., New York, is the Consult. Engr. The addition will be seven stories high, and will be of steel frame and brick facings, with a concrete foundation 32 ft. below the level of Penn Ave. to provide for a basement and sub-basement of sufficient size to accommodate heating, lighting, refrigerating and power plants. The concrete foundations are to be exceptionally heavy and extend to the street level and from that point they will be of brick. The steel frame will require about 1,400 tons of structural steel, heavy enough to permit of an addition of four stories to the structure.

PITTSBURG, PA.—Bids are asked until 10.30 a. m., June 24 by the City Controller for the erection of a patrol station at the corner of Fulton and Ward Sts., North Side, Pittsburg. Thomas W. Boyd & Co., House Bldg., are Archs. George W. Guthrie is Mayor.

The Members of the 17th Ward School Board have decided to erect a manual training school on the grounds of the Washington Sub-district School on 40th St., for which the voters recently sanctioned a bond issue of $50,000. The Board has selected the plans of C. W. Bier, Arch., Smith Block, and has instructed him to advertise at once for bids. The building will be 60 ft. wide and 13[illegible] ft. long and will front on 40th St. The building will be equipped with a swimming pool, which will be placed in the basement. It will have a gymnasium, drawing room, kitchen, cooking and dining rooms and rooms for the necessary machinery for manual training work. H. W. Fisher is Principal of Ward Schools.

GREENSBURG, PA.—C. P. Hitchings, care of owner, has let general contract to THOMAS WEIBEL, Greensburg, Pa., for a 2-story fireproof brick telephone exchange, 45 × 110 ft., at Greensburg, for the Central District & Printing Telegraph Co., Fulton Bldg., Pittsburg. Cost, $40,000.

Vrydaugh & Wolfe, Archs., 347 Fifth Ave., Pittsburg, have completed plans for a residence for Thomas S. Jamison, of the Jamison Coal & Coke Co., to be erected in West Pittsburg St., Greensburg. This house will contain 16 rooms, is designed after the style of the Georgian period, and will cost about $40,000. JOHN E. SNYDER, of Greensburg, has secured the general contract.

PHILADELPHIA, PA.—Bids are asked until 11 a. m., June 25, by the Quartermaster, U. S. Marine Corps, Washington, D. C., for erecting three sets of marine officers' quarters at the Navy Yard, League Island, Pa. Rankin, Kellogg & Crane, 1012 Walnut St., Philadelphia, are Archs.

Simon & Bassett, Archs., have let contract to JOHN W. GILL & CO., Heed Bldg., for a 3-story brick, steel and stone-trimmed residence, at Broad and Jefferson Sts., for Alfred E. Burke. The building will cost $75,000.

Plans have been prepared by Ballinger & Perrot, 1200 Chestnut St., for a 6-story printing and publishing house at 17th and Vine Sts., for Edward Stern & Co., 112 North Twelfth St. Cost, $100,000. Bids are being received by the architects.

The University of Pennsylvania has had plans prepared by Cope & Stewardson, 320 Walnut St., Philadelphia, for two 3-story dormitories. Estimated cost, $80,000.

The Board of Education is having plans prepared by J. Horace Cook, Arch., Board of Education, for a 4-story girls' high school building, to cost $250,000.

MILLVALE (Allegheny post-office), PA.—Contract has been let by C. M. Barthberger, Arch., Westinghouse Bldg., Pittsburg, Pa., to MURPHY BROS., Monon Bank Bldg., Pittsburg, for a 2-story fireproof brick school building, 108 × 60 ft., for the Board of Education, Millvale, Pa. Cost, $60,000.

ALLENTOWN, PA.—Bids were opened on June 8 by the Commission having charge of the erection of the State Homeopathic Hospital for the Insane, near Allentown. The work to be done, which was planned by Philip H. Johnson, Arch., Land Title Bldg., Philadelphia Pa., consists of Ward M, a coal pocket, a reservoir and a sewage disposal plant. The bids follow: Ward M—John R. Wiggins & Co., Heed Bldg., Philadelphia, $155,760; time, seven months; W. J. Doyle & Co., 1519 Sansom St., Philadelphia, $153,600; time, 6½ months. Coal pocket—John R. Wiggins & Co., $31,950; time, 5½ months; W. S. P. Shields, Witherspoon Bldg., Philadelphia, $32,975; time, 120 days; McCormick & Co., $29,171; time, 75 days; W. J. Doyle & Co., $30,645; time, five months. Reservoir—John R. Wiggins & Co., $37,525; time, five months; W. S. P. Shields, $35,803; time, 120 days; M. P. Quinn, $32,837; time, 120 days; McCormick & Co., 14 South Broad St., Philadelphia, $36,785; time, 160 days; W. J. Doyle & Co., $35,200; time, 5½ months. Sewage plant—John R. Wiggins & Co., $32,750; time, four months; W. S. P. Shields, $33,942; time, 120 days; M. P. Quinn, $46,737; time, 120 days; McCormick & Co., $30,780; time, 75 days; W. J. Doyle & Co., $29,518. Time, five months.

REVELL, MD.—E. P. Baugh, Jr., of Baugh & Sons Co., 20 South Delaware Ave., Philadelphia, Pa., has awarded contract to WILLIAM R. DOUGHERTY, 1604 Sansom St., Philadelphia, Pa., to erect a residence, 90 × 100 ft., 3½ stories, of brick construction. Cost, about $100,000.

BALTIMORE, MD.—The Wylie Heights Co., of Wylie Ave and Pimlico Road, will erect a suburban apartment house of wood and stone, with 50 rooms, each with outside exposure. The structure will be of Moorish architecture, 100 × 150 ft., and will cost about $60,000. J. Appleton Wilson and Wilson L. Smith, Law Bldg., Baltimore are Archs.

John R. Forsythe, Arch., 232 St. Paul St., has prepared plans for 20 3-story brick dwellings, 15x58 ft., to be erected by St. Paul Realty Co., 301 St. Paul St., on Fifth St. and North Ave. Cost, $50,000.

WASHINGTON, D. C.—Bids were received as follows June 10 at the office of Elliott Woods, Supt. of the U. S. Capitol Building and Grounds, Washington, D. C., for marble work for the new Senate Office Building: (a) entire work, (b) corridors and vestibules, (c) stairhalls and stairways, not including main stairhall, (d) conference room and main stairhall, (e) rotunda and rotunda arcade and gallery, (f) office suites, (g) the nine con-

mittee rooms, (h) 18 public toilet rooms. Rutland Florence Marble Co., Fowler, Vt., (b) $68,664; (c) $18,967, (d) $81,470 (part), (e) $11,203, (f) $42,345 (part), (g) $38,467; Vermont Marble Co., Proctor, Vt., (a) $206,571, (b) $58,[illegible], (c) $39,682; (d) $10,824, (e) $10,728, (g) $10,719, (f) $35,575, (h) $15,699; B. & G. N. Williams, 5 East 42d St., New York, (a) $[illegible],977, (b) $64,166, (c) $43,178, (d) $11,430, (e) $11,723, (f) $39,290, (g) $44,270, (h) $17,[illegible]50; J. H. Shipway & Bro., 136th St. and East River, New York, (a) $302,114, (b) $76,902, (c) $39,712, (d) $21,737, (e) $23,737, (f) $5[illegible],407, (g) $65,680, (h) $23,721; Hillgartner Marble Co., Baltimore, Md., (c) $37,000, (e) $20,000, (f) $41,500, (h) $18,000; Robert C. Fisher Co., 139th St. and Locust Ave., New York, (a) $334,390; Blue Ridge Marble Co., Nelson, Ga., (a) $230,000, (b) $90,950, (c) $39,660, (d) $12,500, (f) $42,500, (e) $14,900, (g) $49,900, (h) $18,797; Evans Marble Co., Baltimore, (h) $16,954.

The Commissioners of the District of Columbia have awarded to the VAN DORN IRON WORKS, 2685 East 79th St., Cleveland, Ohio, contract for furnishing the metal cabinet work in the new Municipal Building at Washington.

The Auditorium Amusement Co., incorporated with $500,000 capital stock, will erect a theater and hotel on site 170 × 144 ft., on H St. Seating capacity, 3,000. There will be a banquet hall, skating rink, etc., in basement. Estimated cost of two structures, $450,000. Samuel Ross, 614-622 Eleventh St. N. W., is Pres.; E. K. Fox, 14th St. at New York Ave., Treas.; W. F. Thomas, Munsey Bldg., Secy.

ATLANTA, GA.—The Liquid Carbonic Co., 7 Nelson St., has awarded contract to the H. L. STEVENS CO., Knoxville, Tenn., for erection of reinforced-concrete building. Morgan & Dillon are Archs., Prudential Bldg., Atlanta. The building will be 80 × 100 ft., three stories and basement, with pressed brick front. Cost, about $40,000.

Bids are asked by R. V. La Dow, Supt. Prisons and Prisoners, Dept. of Justice, Washington, D. C., until 10 a. m., July 8, for furnishing and delivering on cars at the U. S. Penitentiary, Atlanta, structural steel and iron for the administration building, including steel beams, channels, angles, hangers, lintels, tie rods, tie straps, bolts, etc.

PENSACOLA, FLA.—Bids are asked by the American National Bank until June 24 for erection of a 10-story brick and terra-cotta bank and office building. Estimated cost, $200,000. Carpenter & Blair, 475 Fifth Ave., New York, N. Y., are Archs.

The Arriola Hotel Co., recently incorporated with $200,000 capital stock by P. K. Yonge, G. A. Waterman, R. B. Simpson and others, will erect a hotel. It will have eight stories and will contain about 200 rooms.

FLORENCE, ALA.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has rejected all bids received for the construction of a post-office building at Florence, Ala. The work has been deferred for the present.

NEW ALBANY, MISS.—The Board of Supervisors of Union County has awarded contract to F. M. DOBSON & CO., Montgomery, Ala., at $64,750 for erection of court-house. Dobson & Co. are Archs. S. M. Roberts, Pres. of Bd.

HATTIESBURG, MISS.—Bids are asked until July 6 by the Board of Supervisors of Forrest County for erection of a jail to cost $40,000. W. H. Hull, Jackson, Miss., is Arch.; J. P. Pace is Pres. of Bd.

NEW ORLEANS, LA.—The Mater Dolorosa Church has awarded contract to PETTY & ERWIN, 313 Godchaux Bldg., New Orleans, for erection of a church, 75 × 153 ft., brick and concrete, with tile roof, electric lighting. Estimated cost, $54,000. Theodore Brune, 922 Gravier St., New Orleans, is Arch.

MEMPHIS, TENN.—Bids are asked until July 1 by the Shelby County Court-house Commissioners for interior finishings and furniture for the court-house now building. John Colbert is Secy. of Comn. Hale & Rogers, 11 East 24th St., New York, N. Y., are Archs.

The First Church of Christ, Scientist, will erect a church from plans by Jones & Furbinger, Porter, Bldg., Memphis. It will be a pressed brick building. Cost, about $50,000.

LOUISVILLE, KY.—McDonald & Dodd, Archs., Equitable Bldg., are preparing plans and will receive bids for remodeling a 1-story church for Second Presbyterian Congregation. Cost, $60,000.

Plans are being prepared by McDonald & Dodd, Archs., Equitable Bldg., for a 7-story brick and concrete hotel for the Tyler Estate. Owen Tyler, Trustee, Tyler Bldg. The building will be 60 × 100 ft and will cost $150,000. Bids will be received at once.

*CANTON, OHIO.—Bids are asked by the Board of Public Service of the City of Canton, until noon, July 6, for furnishing the necessary labor and materials for constructing a new roof on the auditorium in this city. The approximate quantities are 400 squares. C. A. Zellers is Clerk.

CLEVELAND, OHIO.—We are advised by Boring & Tilton, Archs., 32 Broadway, New York, N. Y., that contract has been let to D. C. GRIESE & WALKER CO., 1417 Prospect Ave., Cleveland, for constructing a 2-story library building for the West Side Branch, Cleveland Public Library. Cost, $69,[illegible].

Joseph G. Steinkamp & Bro., Archs., Mercantile Bldg., have let general contract to HARVNOT BROS., 414 Walnut St., for a 3-story brick apartment building, 50 × 49 ft., on Hale Ave., for Morris Shauss, 2247 Gilbert Ave. Cost, $40,000.

Contract for constructing a 10-story office building for the Provident Savings Bank & Trust Co. has been let to H. HARIG & CO., Montana & Harrison Aves., Westwood, Cincinnati. Harry Hake, Union Trust Bldg., is Arch.

COLUMBUS, OHIO.—Richards, McCarty & Bulford, Archs., The Ruggery, let the contract on June 5 for the $300,000 fireproof business block which the F. & R. Lazarus Co. will erect at the corner of High and Town Sts., to DANIEL W. McGRATH, First National Bank Bldg. It will be five stories high above a finished basement and sub-basement and will have a ground plan of 101 × 187½ ft. It will be steel frame with pressed brick and terra cotta exterior with fireproof floors.

DELAWARE, OHIO.—Bids are asked until noon, July 6, by the Trustees of the Girls' Industrial Home, for rebuilding Cottage No. 2 at the Home, Delaware. Marriott & Allen, Hayden-Clinton Bank Bldg., Columbus, Ohio, are Archs.

INDIANAPOLIS, IND.—The plumbing and steam heating contract for the proposed buildings for the Southeastern Hospital for the Insane has been let to the HUFFMANN-CONKLIN CO., 661 North High St., Columbus, Ohio, at $175,000. The various buildings include an administration building, men's and women's hospital and infirmary, industrial building, power-house, pumping station, a laundry and twenty cottages. PULSE & PORTER, of Greensburg, Ind., have secured the general contract. Foltz & Parker are Archs., Union Trust Bldg., Indianapolis.

John Cleland, Business Director of the School Board, will receive bids for remodeling and improving Schools Nos. 32 and 33. J. T. Johnson & Co., State Life Bldg., are Archs.

BATTLE CREEK, MICH.—W. S. Butterfield, representing the Western Vaudeville Managers' Association, has acquired a site on West Main St. The property, which has a depth of 170 ft., will be the site of the new Bijou Theatre. About $70,000 will be expended on the theatre building, which will be completed in December.

FORT WAYNE (Detroit post-office), MICH. —Bids are asked until 10 a. m., June 25, by Capt. Charles G. French, Q. M., for constructing a brick stable to accommodate 76 animals, including electric wiring and fixtures, at this post.

CHICAGO, ILL.—A 22-story office building is to be erected on Dearborn St., near the corner of Jackson Boulevard, for the Borland Estate. The lot is 50 × 70 ft. Holabird & Roche, Monadnock Block, are Archs.

The Chicago City Railway Co., Thomas E. Mitten, Pres., J. B. Hogarth, Secy., 164 Dearborn St., has let the general contract to W. M. CRILLY, 167 Dearborn St., for a 1 and 2-story office and car barn building, 265 × 485 ft., of pressed brick, with stone trimmings, at 69th St. and Ashland Ave. Cost, $300,000. Hugo Schmidt, 164 Dearborn St., is Arch.

CHICAGO, ILL.—It is stated that the Chicago & Northwestern Ry. Co. will build a station in Chicago. E. C. Carter is Ch. Engr., Chicago.

Plans are being prepared by H. E. Stevens, 109 Jackson Boulevard, it is stated, for an 18-apartment building on 61st St. It will have three stories, 50 x 171 ft., with stone trimmings. Cost, $45,000.

*BELLEVILLE, ILL.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., July 24, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring) for the U. S. post-office at Belleville, Ill.

ALTON, ILL.—Bids are asked until 3 p. m., July 23, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring) of the U. S. post-office at Alton.

URBANA, ILL.—Bids are asked at the office of the University of Illinois School of Pharmacy, Twelfth St. and Michigan Ave., Chicago, Ill., until 10 a. m., July 3, for the construction of Physics Laboratory building, and an addition to the Natural History building at the University of Illinois, Urbana, Ill. W. L. Abbot, Pres. Bd. of Trustees. W. Carlys Zimmerman is State Arch., 17 East Van Buren St., Chicago.

GREEN BAY, WIS.—Bids will be received by Elmer S. Hall, Clerk of Brown County, until Sept. 23, for the erection of a court-house. Separate bids for heating, plumbing, tower clock, gas and electric fixtures and vault fixtures will be received. C. E. Bell, is Arch., Northwestern Bldg., Minneapolis, Minn. Paul Scheuring is Chn. Special Bldg. Com.

MADISON, WIS.—We are advised by M. E. McCaffrey, Acting Secy. Bd. of Regents of the University of Wisconsin, Madison, that the contract for construction of the Animal Husbandry Building has been awarded to T. C. McCARTHY, of Madison, Wis. Contract for the construction of the reinforced-concrete tunnel has been let to ROBERT MITCHELL, of this city. Contract for steam piping and pipe covering in the tunnel to THE MUELLER CO., of Milwaukee, and additional contract for steam piping and wood conduits to the AMERICAN STEAM DISTRICT CO., of Chicago, Ill.

MILWAUKEE, WIS.—Competitive plans will be received by the Board of Public Works until 10.30 a. m., June 19, for a branch public library building at Madison St. and Fifth Ave., in the Eighth Ward. Cost, including architect's fee, not to exceed $47,000. Charles J. Poetsch is Chn.

Bids are asked by the Y. M. C. A. Building Committee, until June 19, for building an addition to its present building, to cost $200,000. Construction will begin July 1.

MARSHALLTOWN, IOWA.—The Elks Lodge has decided to build a $40,000 clubhouse and has purchased a building site.

NEW ULM, MINN.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has rejected all bids for the construction of a post-office at New Ulm, Minn. New Plans and specifications will be issued at a later date.

MINNEAPOLIS, MINN.—Contract has been awarded by F. E. Davidson, Arch., 259 South Clinton St., Chicago, to J. & W. A. ELLIOTT, Lumber Exchange, for a $75,000 warehouse for L. S. Gillette Co.

ELDORADO, KAN.—George P. Washburn & Son, Ottawa, Kan., are preparing plans for a 3-story court-house, 70 × 100 ft., for Butler County, to be erected at Eldorado. Cost, $60,000. Bids will be received about July 15.

FORT LEAVENWORTH, KAN.—Bids are asked until 11 a. m., June 20, by Capt. William D. Davis, Q. M., for the construction of approaches and porticos for Grant, Sherman and Sheridan Halls at Fort Leavenworth.

Contracts have been let as follows for the construction of officers' quarters: JAMES A. McGONIGLE, Leavenworth, Kan., for construction under alternate A of two sets of field officers' quarters, $25,366, and three double set of captains' quarters, $61,344; G. A. KEES DOMESTIC ENGINEERING CO., St. Paul, Minn., for plumbing and heating combined for all building, $12,398.

ST. LOUIS, MO.—Plans are being prepared by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for a post-office for St. Louis, to cost $1,525,000. It will be erected on a block bounded by 17th, 18th and Walnut Sts. and Clark Ave.

The city will erect a 2-story, 12-room school building at Old Orchard, of vitrified brick laid in an ornamental bond with terra-cotta coping, trimmed with enameled brick in pattern. Cost, $55,000. M. P. McArdle, Chemical Bldg., St. Louis, is Arch.

The Board of Education has ordered William B. Ittner, Board of Education Bldg., to prepare plans for a 15-room addition to one of the city schools. Estimated cost, $150,000.

ST. CHARLES, MO.—Bids were received as follows June 12 at the office of James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post-office building at St. Charles, Mo.: S. L. Jones Building Co., 620 Chestnut St., St. Louis, $46,300; C. L. Gray Construction Co., Victoria Bldg., St. Louis, $43,200; Kellermann Contracting Co., Roe Bldg., St. Louis, $41,964; W. A. Etherton, St. Louis, $50,987; Northern Construction Co., Milwaukee, Wis., $50,000; Pelligreen Constructing & Investing Co., 816 Pine St., St. Louis, $47,600; Globe Construction Co., Chemical Bldg., St. Louis, $47,367; Hiram Lloyd Building & Construction Co., St. Louis, $49,992; J. A. Daly, Nevada, Mo., $46,103; Frank J. Bull, St. Charles, Mo., $48,000. Time, Oct. 7, 1909.

ST. JOSEPH, MO.—The Board of Education, Library Bldg., contemplates the erection of school buildings to cost $500,000. Architect is not selected. H. H. Smith is Secy.

WEBSTER GROVES (St. Louis post-office) MO.—Plans have been prepared by Cope & Stewardson, 319 North Fourth St., St. Louis, for a 2½-story residence. The building will be constructed of brick and will cost $40,000.

WEBB CITY, MO.—Bids are asked until June 20, by A. C. Michaelis, Arch., 407 Main St., Joplin, Mo., for a 2-story brick church for the Central Methodist Episcopal Congregation. Cost, $40,000.

LITTLE ROCK, ARK.—We are officially advised that the Rev. John B. Morris, Bishop of Little Rock, has awarded contract to HUGH McLENNAN, First National Bank Bldg., Chicago, Ill., for the proposed 5-story Roman Catholic Orphange of St. Joseph. It will be fireproof, 200 × 250 ft., and will cost $250,000. Charles L. Thompson, Arkansas Bldg., Little Rock, is Arch.

PORT ARTHUR, TEX.—The Port Arthur Hotel Co., recently organized by John W. Gates and associates, will receive bids about July 30 for erecting a $200,000 hotel. C. A. Logan, Port Arthur, is Arch. The structure will be a 3-story reinforced-concrete building, with steam heat, electric lighting, passenger and freight electric elevators.

HOUSTON, TEX.—The Texas Bag & Fibre Co., Houston, has applied for a permit to erect an additional building costing $6,500. The structure will be three stories of brick. 50 × 50 ft.

GUTHRIE, OKLA.—P. H. Weathers & Co., Archs., Kansas City, have been retained to prepare plans for a convention hall to be built here. W. H. Coyle is interested.

BREMERTON, WASH.—Bids are asked by R. C. Holliday, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a. m., July 3, for constructing three buildings and their connecting passages for naval hospital at the U. S. Navy Yard, Puget Sound, Wash.

GEORGETOWN, WASH.—The contract for the construction of the 3-story and basement wing of the King County Hospital at Georgetown has been awarded by the County Commissioners to WELLS & GLENFIELD, at $44,273.

SEATTLE, WASH.—Plans for the Queen Anne High School building have been completed by James Stephen, Arch., New York Block, and the contract for the building will be awarded at once. The school is to cost about $200,000.

EUGENE, ORE.—James Knox Taylor, Superv., Arch., Treasury Dept., Washington, D. C., has rejected all bids received for the construction of a post-office building at Eugene, Ore. New plans and specifications will be issued shortly.

PORTLAND, ORE.—Plans are being drawn for a 6-story reinforced-concrete warehouse to be erected at the corner of Park and Everett Sts. for the Blumauer & Frank Drug Co., 144 Fourth St. The structure will occupy a site 100 × 100 ft. and rest on a concrete foundation, and is to be ready for occupancy by Jan. 1, 1900. Estimated cost, $80,000.

SAN FRANCISCO, CAL.—The University Club will erect a building at the corner of California and Powell Sts. upon the property of the Stanford University. According to the plans of Bliss & Faville, Archs., Hotel St. Francis, the clubhouse will be a brick building, four stories high, and practically five stories at the north end. The design is an adaptation of the Italian style. In the basement there will be a refrigerator plant, a vacuum cleaning plant, engine-room, pumps, storerooms and service departments.

Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 2 p. m., July 3, for the sale to the United States of suitable land, centrally and conviently located, for the site for the new Sub-Treasury to be erected in San Francisco, the block of land to contain not less than 25,000 sq. ft. in area, surrounded on all sides by streets, if possible. If it is a corner lot, it must be approximately 180 × 210 ft. As soon thereafter as practical an agent of the department will be sent to make a personal examination of the proposed locations and such others as he deems desirable. Upon this report, together with representations in writing from other sources, the department selects the site.

GLENDALE, CAL.—The Glendale School Trustees have accepted the plans drawn by Norman F. Marsh, Arch., Stimson Bldg., Los Angeles, Cal., for the union high school building to be erected in this city. The accepted design calls for a brick structure covering a ground space of 90 × 130 ft., in the classic Ionic style of architecture. The estimated cost is $50,000. On the ground floor will be a large gymnasium, shower baths, locker and robing rooms, bicycle and lunch rooms, toilet, kitchen and two recitation rooms. The manual training department, domestic science department, heating plant and storage rooms also will be on this floor. The main floor will contain the principal's suite, teachers' rooms, a large auditorium, library, study room and three recitation rooms. On the upper floor will be three laboratory rooms, a lecture room in the amphitheatre style, the commercial department, art department and two recitation rooms.

CHARLOTTETOWN, P. E. I.—LOVE BROS., Charlottetown, have been awarded the contract for the erection of the new building for the Bank of Montreal in this city.

MONTREAL, QUE.—A technical school will be erected in Montreal at a cost of about $350,000 on property on Sherbrooke St.

CALEDONIA SPRINGS, ONT.—The Canadian Pacific Ry. Co. has decided to erect a hotel at Caledonia Springs, Ont., at a cost of about $2,000,000. Hoyter Reed is Ch. Mgr. of Hotels, Montreal, Que.

DAUPHIN, MAN.—Bids will be received by Fred Gelinas, Secy. of the Dept. of Public Works, Ottawa, Ont., until 4.30 p. m., July 3, for the erection of a public building.

WINNIPEG, MAN.—JOHN SAUL, of Winnipeg, has been awarded the contract for the erection of the addition to the Mulvey School, at a cost of about $56,000.

SASKATOON, SASK.—Bids will be received by J. H. Truesdale, City Clerk, until 10 a. m., July 3, for the construction of a civic hospital according to plans prepared by W. W. LaChance.

WATER SUPPLY—IRRIGATION.

(* *denotes that this work is advertised in Engineering News.*)

WOODSTOCK, VT.—Contract for constructing the reservoir dam for the water-works here has been let to the AMBURSEN HYDRAULIC CONSTRUCTION CO., 176 Federal St., Boston, Mass.

SPRINGFIELD, MASS.—The CHAPMAN VALVE MFG. CO. was awarded the contract on June 9 by the Water Board for furnishing 210 gate-valves and 125 hydrants at $3,022 and $4,200, respectively.

WOBURN, MASS.—Bids are asked until 5 p. m., June 22, by the Board of Public Works for the construction of a well at the pumping station. James A. McAvoy is Clk. Bd.

WARREN, R. I.—The Bristol & Warren Water-Works, Warren, R. I., have awarded the contract to the ABERTHAW CONSTRUCTION CO., 8 Beacon St., Boston, Mass., for the construction of a tidewater dam and the foundation for a fresh water reservoir. The dam is intended to prevent the flow of sea water into the reservoir at very high tides.

SYRACUSE, N. Y.—The U. S. CAST IRON PIPE & FOUNDRY CO., 71 Broadway, New York, has been awarded the contract at $462,935, for furnishing pipe for the conduit line to Skaneateles Lake. The bid was as follows: Sec. 1, 1,760 tons 42-in., 2,660 tons 30-in., 2 tons 10-in., and 36,000 lbs. specials, at $24.40 per ton for pipe, and 2½ cts. per lb. for castings; Sec. 2, 4,765 tons 30-in., 1 ton 8-in., and 18,000 lbs. special castings, at $23.40 per ton and 2½ cts. per lb. for castings; Sec. 3, 4,100 tons 30-in., 2 tons 10-in., one ton 6-in. straight pipe, 57 tons 30-in. curved pipe, and 26,000 lbs. special castings, at $23.80 per ton for straight pipe, $60 per ton for curved pipe, and 2½ cts. per lb. for castings; Sec. 4, 6,040 tons 30-in., one ton 6-in., and 60,000 lbs. special castings, at $23 per ton for pipe, and 2½ cts. per lb. for castings. George J. Metz is City Clk.

NEW YORK, N. Y.—Bids are asked until 2 p. m., June 26, by John H. O'Brien, Comr. Water Supply, Gas and Electricity, for cleaning water mains and cutting in stop-cocks, connections and blow-offs on water mains in the Borough of Brooklyn and for furnishing and delivering stop-cocks.

ROME, N. Y.—CHARLES MILLAR & SONS CO., Utica, were awarded the contract on June 10 by the Water and Sewer Board at $97,541 for 30-in. pipe.

ALLENTOWN, PA.—See under Buildings.

*READING, PA.—Bids are asked by the Board of Water Commissioners until 7.30 p. m., July 10, for constructing Bernhart filters. Lincoln S. Ramsey is Secy. Bd.

*PITTSBURG, PA.—Plans and specifications are on file at the office of Engineering News, New York, for the construction of filters, pipe-gallery, conduits, piping, fixtures and appurtenances in O'Hara Township, Allegheny County, Pa. Bids are asked until 10.15 a. m., June 29.

BALTIMORE, MD.—The Fire Board will spend $465,000 of the $1,000,000 fire loan for the construction of a pipe line in the central portion of the city. P. W. Wilkinson is Secy. Bd., Holn Bldg.

*FORT MONROE, VA.—Bids for the erection of four 50,000-gallon steel tanks on parapet at Fort Monroe, Va., were received by Capt. E. R. Tilton, Q. M., U. S. A., Fort Monroe, Va., on June 1 as follows, (a) four tanks with trestles complete; (b) two tanks with trestles for four: Central Metal & Supply Co., 609 East Lombard St., Baltimore, Md., (a) $13,500, (b) $10,000; C. & W. Mfg. Co., New York, (a) $11,686, (b) $8,593; Horace E. Frick Co., Inc., 286 Greenwich St., New York, (a) $19,848, (b) $14,249; W. G. Morris, Phoebus, Va., (a) $11,925, (b) $9,290; Chicago Bridge & Iron Works, Chicago, Ill., (a) $12,500, (b) $10,100; J. K. Petty & Co., Inc., Girard Bldg., Philadelphia, Pa., (a) $17,316, (b) $12,290; W. W. Lindsay & Co., Harrison Bldg., Philadelphia, Pa., (a) $13,350, (b) $10,350; Alsop & Pierce, Newport News, Va., (a) $15,870, (b) $12,225; Tippett & Wood, Phillipsburg, N. J., (a) $12,980, (b) $9,640; R. D. Cole Mfg. Co., Newnan, Ga., (a) $13,527, (b) $9,693; Reeves Bros. Co., Alliance, Ohio, (a) $11,730, (b) $9,115; New Jersey Foundry & Machine Co., 90 West St., New York, (a) $16,280, (b) $14,740; Morava Construction Co., Chicago, Ill., (a) $15,004, (b) $11,035; Canton Boiler & Engineering Co., Canton, Ohio, (a) $11,000, (b) $8,200.

ELM GROVE, W. VA.—James A. Birkett, of this city, has started a movement to construct a water-works that will supply this place and all other towns and cities between here and Fulton, W. Va. He has applied to the County Commissioners for permission to lay the water mains and to provide a storage basin for the system.

SHELBY, N. C.—Bids are asked until June 22 by J. F. Tiddy, City Clk., for constructing water-works.

*LANCASTER, S. C.—Bids are asked by the Commissioners of Public Works until 4 p. m., June 24, for the construction of water-works here. C. D. Jones is Chn. Comrs. H. S. Jaudon & Goss are Engrs., Savannah, Ga.

*PENSACOLA, FLA.—Bids are asked until noon, July 1, by the Board of Bond Trustees for furnishing and delivering either f. o. b. cars or on wharf at Pensacola, 624 ft. of 16-in. c.-i. pipe, 3.048 ft. of 12-in., 18,576 ft. of 10-in. and 756 ft. of 4-in., weighing approximately 855 tons, with about 22 tons of special castings; also one 16-in. gate valve, six 12-in., 17 10-in., 26 6-in. and one 4-in. and 31 two-way fire hydrants with steamer nozzle and 51 c.-i. extension valve boxes. R. M. Bushnell is Chn. Bd. T. Chalkley Hatton is Ch. Engr.

*CINCINNATI, OHIO.—Bids are asked until noon, July 13, by the Board of Public Service for the sale of boilers, pumping engines, deep-well pumps, etc. John J. Wenner is Clk. Bd.

ST. HENRY, OHIO.—A water-works plant will probably be constructed here in the near future. William H. Romer is City Clk.

YOUNGSTOWN, OHIO.—The Board of Public Service has awarded the contracts for 450 tons of pipe, hydrants, fittings, etc., at the following prices: MASSILLON IRON & STEEL CO., Massillon, Ohio, approximately 400 tons of c.-i. water pipe, at $21.25 per ton; the R. D. WOOD CO., Philadelphia, Pa., 72 fire hydrants at $27.25 per ton; the DARLING MFG. CO., Williamsport, Pa., valves, fittings, etc., and E. FISHER & SON, of Youngstown, Ohio, contract for hauling and distributing all of the above.

MICHIGAN CITY, IND.—The Lake Michigan Water Co. received bids on June 5 for the construction of the water-works intake as follows: Calumet Construction Co., Chicago, Ill., for c.-i. pipe, $56,000, $405 for each flexible joint added or omitted; steel pipe, $53,000 and $25 for each flexible joint omitted or added; McGovern Co., Chicago, Ill., for c.-i. pipe, $53,000, for each flexible joint omitted or added, $150; for steel pipe, $53,000, $25 for each flexible joint omitted or added; the estimate of the engineer is $46,000 and as seen by the bids the lowest bid submitted is $7,000 in excess of that figure, and the bids may be rejected.

BERWYN, ILL.—Bids are asked until 8 p. m., June 18, by the Board of Local Improvements, John F. Coykendall, Secy., for the labor and material for constructing 40,573 ft. 6-in., 6,712 ft. 12-in., 6,843 ft. 10-in., and 1,355 ft. of 12-in. c.-i. water mains.

CHICAGO, ILL.—Bids are asked until 10.30 a. m., June 18, by Board of Local Improvements, Charles A. V. Standish, Secy., for 25 contracts for constructing water service pipes.

*NEW BOSTON, ILL.—Bids are asked until 2 p. m., July 29, by the Commissioners of the Bay Island Drainage and Levee District No. 1, County of Mercer, Ill., at New Boston, for erecting a pumping plant and sluiceways, including three water tube boilers, three engines and three centrifugal pumps. The Harman Engineering Co., 120 Fredonia Ave., Peoria, Ill., is Engr.

TRENTON, ILL.—The following contracts have been awarded for furnishing water-works materials: T. A. Hardman, Olney, Ill., for furnishing nine tons of 8-in., 60 tons of 6-in., 63 tons of 4-in. c.-i. water pipe and 2½ tons of specials at $3,070, and for laying pipe, 390 ft. of 8-in. pipe 40 ins. deep, at 20 cts. per ft.; 3.680 ft. of 6-in. pipe, 38 ins. deep, 17 cts.; 4,850 ft. of 4-in. pipe, 36 ins. deep, 15 cts.; for fire hydrants, to RENSSELAER MFG. CO., Troy, N. Y., for 15 Corey hydrants, 4 ins., 2½-in. nozzle, $21.50 each; gate valves, six 8-in., $18; five 6-in., $9.50; eight 4-in., $6; to REEVES & SKINNER, St. Louis, Mo., for furnishing a 750,000-gallon Epping-Carpenter duplex-compound steam pump, 159 HP., to pump against a head of 100 lbs., $12,000. W. A. Fuller is Engr., Chemical Bldg., St. Louis, Mo.

WINCHESTER, ILL.—James H. Thompson, Consult. Engr., 1606 Fisher Bldg., Chicago, has been appointed engineer for the new water-works system to be built at this place.

OAK PARK, ILL.—A new water-works system is to be built. The consulting engineer is James H. Thompson, 1606 Fisher Bldg., Chicago.

WEST ALLIS, WIS.—Bids are asked until noon, June 22, by the Board of Public Works, F. P. Phillips, Jr., Chn, for furnishing and laying water mains in portions of 13 streets.

*FORT SMITH, ARK.—A. Klingensmith, Arch., Illinois Bldg., Fort Smith, writes that the contract for installing water-works and a sewerage system at County Hospital (bids opened May 12), has been awarded to MEISTER BROS., N. 6th St., Fort Smith, for $6,000.

*ALTA LOMA, TEX.—We are officially advised that all bids were rejected on June 4 for the installation of an air-lift pumping plant at Alta Loma to increase the water supply of Galveston, and for the erection of addition to pumping station. The bids were as follows: Collins Bros., Houston, Tex., Sullivan Machinery Co., air compressors, $34,089; L. H. Coley, Houston, Ingersoll-Rand Co., air-compressors, Heine boiler, $26,469; A. M. Lockett & Co., New Orleans, La., Laidlaw-Dun-Gordon Co., air compressors, Babcock & Wilcox boiler, $24,868. New bids are asked until July 2. A. T. Dickey is City Engr., Galveston, Tex.

STRATFORD, TEX.—Bids, plans and specifications are asked until June 20 by the city for the construction of water-works. J. P. Reeder is Mayor.

DENVER, COLO.—The stockholders of the Agricultural and Welch ditches, at a meeting at the Chamber of Commerce on May 23, voted to form a new irrigation district to be known as the Denver-Littleton Irrigation District, comprising all land lying between W. Colfax Ave. and Bear Creek and Denver and the foothills, to turn in the rights they possess in the old ditches and in return receive rights from the Intermountain Water Co. from the tunnel that will bring water from Williams' Fork through the range to the Clear Creek Valley. The new district will contain about 20,000 acres of land lying between Denver and Morrison. The project will require about two years for completion and will cost about $3,000,000. The new irrigation district when formed will issue about $700,000 in bonds as its share in the cost of the new enterprise. The balance will be raised by the issue of bonds by the Hanry Linn Ditch Co., which has already formed its district along Platte River and which will take about ¾ of the water furnished by the new company. In addition to the water rights the new company will develop power rights. Col. D. C. Dodge is Pres. Agricultural Ditch. H. G. Wolff is the Pres. Intermountain Water Co.

LEADVILLE, COLO.—The Arkansas Land & Water Co., has been incorporated, and proposes to have a large storage reservoir constructed near Leadville on the upper Arkansas River for storing flood waters to be liberated during dry seasons. The canal intake will be located in the Royal Gorge near Canyon City, and will follow about the line of the old state canal, crossing Fremont, Pueblo and El Paso Counties. A second reservoir will be located on Turkey Creek, in El Paso County, for storing the flood waters from the southern slope of Pike's Peak. It is proposed to irrigate about 15,000 acres of land in the three counties. Thomas Henington, E. & C. Bldg., Denver, Colo., is interested.

ROSWELL, N. MEX.—Contracts for constructing water-works and sewerage system have been awarded by the city as follows: For furnishing approximately 2,100 tons of c.-i. pipe and special castings from 4 to 16-in., f. o. b. cars factory, to RUSK TEXAS CAST IRON PIPE CO., Rusk, Tex., $63,492; furnishing hydrants and valves f. o. b. factory, to WESTERN VALVE CO., Kansas City, Mo., on Fairbanks hydrants, $5,467; furnishing two 18-ft. × 66-in. horizontal-return tubular boilers, f. o. b. cars factory, to MERKLE MACHINERY CO., Kansas City, Mo., at $2,672; furnishing all material and labor, except that enumerated above, and constructing a complete system of water-works, to W. C. GLENN, Webb City, Mo., at $30,827; furnishing f. o. b. cars factory, approximately eight miles of sewer pipe from 8-in. to 18-in. diameter, to W. S. DICKEY SEWER PIPE CO., Kansas City, Mo.; furnishing material and constructing a system of sewers complete (excepting pipe), to W. C. GLENN, Webb City, Mo., at $22,265; for furnishing material and constructing a septic tank, to same, Webb City Mo., at $2,700. Bids were opened on May 22. Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., are Engrs.

SEATTLE, WASH.—Bids will be received about July 11 by C. B. Bagley, Secy. Bd. Public Works, for the second unit of the Cedar River water supply system, Seattle. Approximate estimate of quantities is on file at office of Engineering News, New York. Work consists of the following, with estimated cost. Sub-division No. 1, main pipe line, $1,250,000; Beacon Hill reservoir, $200,000; Green Lake Reservoir, $80,000. R. H. Thomson, City Engr.

AVILA (Port Harford post-office), CAL.—Bids are asked until 10 a. m., July 7, by the Board of Supervisors for a franchise of 50 years to construct, lay, erect, maintain and operate public pipe lines for the purpose of furnishing and supplying water in the town of Avila. H. H. Carpenter is Clk. Bd.

SALT LAKE CITY, UTAH.—We are officially advised that bids for the construction of water mains for the year 1908 were opened by the Board of Public Works on June 4, and the contract was awarded to JAMES D. HANLEY, of Salt Lake City, at $34,404. Other bidders were: Strange & McGuire, Salt Lake City, $38,008; P. J. Moran, Salt Lake City, $38,759. Louis C. Kelsey is City Engr.

SALT LAKE CITY, UTAH.—We are officially advised that the State Board of Land Commissioners has let a contract for the construction of the outlet tunnel of the Piute reservoir to J. H. NELSON, E. W. SANDERS and CHARLES SKOUGAARD, all of Richfield, Utah, at $7,387. Thomas C. Callister is Secy. Bd.

YARMOUTH, N. S.—The excavation contract for the water-works extension in the north end has been awarded to HORN & SUTHERLAND, of Yarmouth.

LUNENBURG, N. S.—The water-works and sewerage systems here will be improved at a cost of about $25,000.

OAKVILLE, ONT.—Bids are asked until June 23 by the Board of Trustees for laying 20,000 ft. of water-pipe and to supply and construct power-house, water tower, etc., for this town. A. S. Chisholm is Chn. Bd.

SEWERAGE.

(* *denotes that this work is advertised in Engineering News.)*

FOXCROFT, ME.—The contract for the continuation of the sewer system has been awarded to HARTWELL & BLANCHARD, of Old Town, Me.

FORT ADAMS (Newport post-office), R. I.—Bids are asked until 10 a. m., June 27, by Capt. Willis C. Metcalf, Q. M., U. S. A., for the construction of a 6-in. sewer.

NEW YORK, N. Y.—Bids are asked by Louis F. Haffen, Pres. Boro. of the Bronx, until 11 a. m., June 23, for the construction of sewers and appurtenances in various streets and avenues.

Bids are asked by John F. Ahearn, Pres. Boro. of Manhattan, until 2 p. m., June 23, for repairs to brick and pipe sewers and appurtenances during the year 1908.

*MERCHANTVILLE, N. J.—We are officially advised that the Borough Council opened bids on June 2 for the completion of the sewerage system and a disposal plant as follows: (a) Sewers and disposal plant, (b) amount to be deducted for tools and materials on hand: J. E. Bunting & Co., Fuller Bldg., New York, (a) $74,125; (b) $4,500; C. Garedioso, Camden, N. J., (a) $70,339, (b) no bid; B. T. Sweeten & Son, Camden, N. J., (a) $63,684, (b) $3,536; Aaron Ward, Camden, N. J., (a) $59,168, (b) $1,700. All the bids were rejected. The Council is considering new bids. A. W. MacCallum is Chn. Council.

GALLITZIN, PA.—The contracts for the construction of the Church St. sewer have been awarded to JAMES K. MALONE, of Hollidaysburg, Pa., at $3,997 for the vitrified clay section and $3,913 for the concrete section.

OLYPHANT, PA.—Bids are asked by John A. Lennon, Council Secy., until June 22, for the construction of a sewer system here.

ALLENTOWN, PA.—See under Buildings.

WASHINGTON, D. C.—The Commissioners of the District of Columbia have awarded the contract to the LYNCHBURG FOUNDRY CO., of Lynchburg, Va., for c.-i. sewer pipe as follows: Five tons of 3-in., $29.44; 34 tons of 4-in., $26.44; 40 tons of 6-in., $25.44; 922 tons of 8-in., $24.94; 433 tons of 12-in., $24.94.

WASHINGTON, D. C.—Bids were received as follows on June 8 at the office of the Commissioners of the District of Columbia for (1) construction of a sewer on McComb St. at its intersection with Massachusetts Ave., extended, (a) ordinary excavation, (b) brick masonry, (c) concrete masonry; and (2) for paving discharge channel at facade of boundary sewer at 21st and A Sts., N. E.: Cranford Paving Co., Washington, D. C., (1a) $1.90 per cu. yd.; (1b) $19.20; (1c) $10.80; (2) 89 cts. in place; Warren F. Brenizer Co., Second and O Sts., S. E., Washington, (1a) 90 cts.; (1b) $18.50; (1c) $8.50; (2) 50 cts. in place. The contracts will probably be awarded to the lowest bidder.

SHELBY, N. C.—Bids are asked until June 22 by J. F. Tiddy, City Clk., for constructing a sewer system here.

ANDALUSIA, ALA.—Bids are asked until July 10 by Z. D. Studstill, City Clk., for the construction of a sewer system.

PARK (Knoxville post-office), TENN.—A $130,000 bond issue has been voted by this city for sewer and other improvements.

LEXINGTON, KY.—Bids are asked until noon, June 30, by John Skain, Mayor, for the completion of the southern Main sewer of the system of trunk sewers. Plans and specifications may be examined at the office of the City Engr.

LOUISVILLE, KY.—The Sewerage Commission has awarded the contract to L. R. FIGG & CO., Louisville, at $16,443 for the construction of the Cave Hill cemetery sewer and drain, 3,500 ft. long.

MOUNT VERNON, OHIO.—Riggs & Sherman, Consulting Engrs., Toledo, Ohio, are preparing plans and estimates for the construction of a sewer system for this city.

HAMILTON, OHIO.—The County Commissioners on June 6 awarded the contract for the third section of Crawford's Run sewer to JOSEPH T. GUILLAUME, of Hamilton, at $46,800.

ALLIANCE, OHIO.—The following bids have been received by the city for the construction of sewer No. 38: S. H. DeGroodt, $3.647; Ferry & Co., $3,456; Nelson & Young, $3,129; McGarry & McGowan, $4,208; Joseph Perry, $3,101; John Wilson, $3,661; Applegate & Son, $3,787.

COLUMBUS, OHIO.—The Board of Public Service has adopted plans and specifications for constructing a sewer in Sullivant Ave. Bids will be asked at once. An appropriation of $55,000 has been made for this work.

CLEVELAND, OHIO.—Bids are asked until noon, June 23, by the Board of Public Service for the construction of sewers in several streets and avenues. A. R. Callow is Secy. Bd.

PORTSMOUTH, OHIO.—Bids are asked until June 23 by the Board of Public Service for the construction of a[illegible]ximately 240 lin. ft. of sewer of 18-i[illegible] [illegible]. S. vitrified sewer pipe.

RUSHVILLE, IND.—Bids [illegible] asked by the Trustees of the East Hill [illegible]tery Co. for the construction of a co[illegible] system of sewers until 7 p. m., June [illegible] E. B. Reeve is Pres.

INDIANAPOLIS, IND.—T[illegible] [illegible]LIUS KELLER CONSTRUCTION CO. [illegible] Indianapolis, has been awarded the cont[illegible] by the city for constructing the main s[illegible] 31,475 lin. ft., at Morris St. and Riv[illegible], at $2.93 per lin. ft. Charles A. Br[illegible] [illegible]s Sewerage Engr.

EVANSVILLE, IND.—Bids [illegible] asked until 2 p. m., June 20, by the [illegible] of Public Works for the construction [illegible] sewer in the alley parallel with Main [illegible] Walter F. Wunderlich is Clk. Bd.

INDIANAPOLIS, IND.—Pla[illegible] [illegible]r the construction of sewers in Vigo S[illegible] [illegible]d in Fernway, have been completed [illegible] Charles A. Brown, Asst. City Engr. The [illegible] [illegible]way sewer will be 6,100 ft. in length, a[illegible] will extend in Fernway from Bloyd Ave. [illegible] [illegible]ere it will have its outlet in the Blo[illegible] Ave. main sewer, to Hazel St., and w[illegible] cost about $11,700. The Vigo St. sewer [illegible] be 5,070 ft. in length, and from 8 ins. [illegible] 3 ft. 6 ins. in diameter.

FLINT, MICH.—The Council [illegible] voted to construct five new sewers in [illegible] First and Fifth Wards.

RIVER ROUGE, MICH.—Bids were opened on June 2 by George T. Cul[illegible]nn, Village Clk., for the construction of a sewerage system, and the contract was awarded to JULIUS PORATH, Pen Bank Bldg., Detroit, Mich., at $122,000 for a brick and rock sewer, or $126,000 if cement rock is to be used in some places.

IRON MOUNTAIN, MICH.—The following bids have been received by the Board of Public Works for the construction of an extension to the main sewer in Kimberly Ave., from D St. to the city limits: J. R. HOLFELTZ CO., Iron Mountain, $13,850 (awarded contract). Bid submitted according to plans and specifications. John Striffler, Marinette, Mich., $19,842, under same conditions; Northern Construction & Engineering Co., Escabana, Mich., $15,165, same conditions; same company, special bid, block sewer, $12,269; Sykes Co., Minneapolis, Minn., $15,915, bid submitted according to plans and specifications; same company, special bid, own make pipe, $14,600; John Obermeyer, Iron Mountain, $16,250, bid submitted according to plans and specifications; same, special bid, special make pipe, $13,850; The Holfeltz Co. will commence the work at once. It is estimated that about 1,000 bags of cement will be used.

FREEPORT, ILL.—M. F. ORD, of Cedar Rapids, Iowa, has been awarded the contract for constructing sewers at the following prices: 5,540 lin. ft. of 24-in. pipe sewer, $3.08; 4,400 lin. ft. of 18-in. pipe sewer, $1.95; 4,910 lin. ft. of 12-in. pipe sewer, $1.15; 20,790 lin. ft. of 8-in. pipe sewer, 85 cts.; 103 manholes, $22 each; total, $42,831. Other bidders were: J. W. Stuart, Freeport, $50,128; G. Moffioll, Rockford, Ill., $47,232; O'Farrell Construction Co., Dubuque, Iowa, $65,448; W. N. Dearborn, Waterloo, Iowa, $48,222; Federal Improvement Co., Chicago, Ill., $49,099; J. W. Egan, Jr., Amboy, Ill., $51,931; Schreiser & Connolly, Monitowoc, Wis., $47,559. Bids were opened June 3. C. W. Graham is City Engr.

KENOSHA, WIS.—The City Council has directed the City Engineer to draw plans for the construction of a trunk sewer to drain the south and west sides. Estimated cost, about $150,000.

ROCHESTER, MINN.—The FRASER-ELLIOTT CO. has been awarded the contract by the Council for the construction of Eighth St. district sewer at $4,437. Other bidders were: W. I. Gray & Co., $5,390; Erick Nelson, $4,489.

NEWTON, KAN.—Bids are asked until 7.30 p. m., June 25, by Adella Martin, City Clk., for constructing lateral sewers, main sewers and a purification tank in Sewer District No. 1.

*OMAHA, NEB.—Bids are asked by Andrew Rosewater, City Engr., until 2 p. m., July 6, for the construction of brick or concrete storm water sewers and appurtenances.

ALBUQUERQUE, N. MEX.—The city has engaged Samuel M. Gray, C. E., Banigan Bldg., Providence, R. I., to design a complete sewerage system.

EUREKA, CAL.—Bids are asked until 8 p. m., July 6, by the Council for the construction of an 8-in. salt-glazed vitrified-ironstone sewer, with 96 4-in. "Y" branches in Mound St., between San Jose Ave. and Front St. F. E. Browning is Clk.

ALAMEDA, CAL.—Bids are asked until 8 p. m., July 6, by the Council for the construction of several sewers here.

LIVERMORE, CAL.—N. CLARK & SONS have been awarded the contract for constructing sewers as follows: 1,140 ft. of 12-in. vitrified sewer pipe, 36 cts.; 2,600 ft. of 10-in., 26 cts.; 9,350 ft. of 8-in., 20 cts.; 42,930 ft. of 6-in., 13¼ cts.; 40 ft. of 10-in. Y-branches, 94 cts.; 180 ft. of 8-in., 80 cts.; 1,160 ft. of 6-in., 52 cts. A. L. Henry is Town Clk.

STREETS AND ROADS.

(* *denotes that this work is advertised in Engineering News.)*

DUNKIRK, N. Y.—R. C. Ruthven, Dunkirk, has been awarded the contract by the city for paving Dove St. with asphalt on a concrete foundation and for stone curbing, at $21,622. List of bidders noted on June 4.

BUFFALO, N. Y.—The Park Department will soon ask for bids for furnishing and laying Medina sandstone curbing and gutters around Gates' Circle and Bidwell Place.

ROCHESTER, N. Y.—We are officially advised that the following bids were opened on June 8 by the County for repairs to the West Side Boulevard: (a) limestone, (b) granite, (c) gneiss, (d) trap rock: GRAND AVE. HORSE CO., (a) $36,769 (awarded contract); (c) $42,044, (d) $47,931; F. C. Lauer & Sons Co., (a) $38,[illegible], (b) $42,472, (c) $47,522, (d) $51,947; Whittemore, Rauber & Vicinus, (a) $47,082, (b) $[illegible]2,892, (c) $52,962, (d) $59,712; Charles G. Schoen, (a) $41,810, (d) $54,369; H. B. Hooker & Son, (a) $44,897, (b) $53,197, (c) $49,[illegible]32, (d) $56,647. J. Y. McClintock is County Engr.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 23, by Louis F. Haffen, Pres. Bronx Boro., for paving with creoresinate wood blocks and wood blocks, repaving foundation, the roadways of several streets; also for regulating, grading, etc., and for completing an abandoned street improvement contract.

FORT WOOD (New York post-office), N. Y.—We are officially advised that the GENERAL CONTRACT CO., New Orleans, La., has been awarded the contract for the construction of roads and walks at Fort Wood. Capt. G. C. Burrell is Q. M., U. S. A.

NEW YORK, N. Y.—Bids are asked until 2 p. m., June 23, by John F. Ahearn, Pres. Boro of Manhattan, for furnishing and delivering 1,800 cu. yds. of trap rock broken stone and 1,500 cu. yds. of trap rock screenings.

BROOKLYN, N. Y.—The following bids were opened on June 3 by Bird S. Coler, Boro. Pres., for regulating and paving with asphalt on a concrete foundation 14th Ave., from 45th to 60th Sts.: (a) 19,230 sq. yds. of asphalt, (b) 2,690 cu. yds. of concrete, (c) totals: The Cranford Co., 190 Montague St., Brooklyn, (a) $1.48, (b) $6.15, (c) $45,004; Barber Asphalt Paving Co., 30 Church St., New York, (a) $1.46, (b) $6, (c) $44,216; UVALDE ASPHALT PAVING CO., 1 roadway, New York, (a) $1.40, (b) $6, (c) $43,062 (awarded contract); Alcatraz Asphalt Co., Ninth St. and Gowanus Canal, Brooklyn, (a) $1.50, (b) $6.10, (c) $45,254.

Bids are asked until June 24 by Bird S. Coler, Boro. Pres., for regulating and repaving portions of Classon, DeKalb and Hamburg Aves., 19th and Pacific Sts.

NIAGARA FALLS, N. Y.—HENRY P. BURGARD, 275 Lathrop St., Buffalo, N. Y., was awarded the contract on June 2 by the Board of Public Works for paving Pine Ave. from 22d to Sugar Sts., and Cleveland Ave., from Main to 22d Sts., at $2.60 per yd. Total, $48,121.

The READ & CODDINGTON CO. secured the contract for paving 22d St., from Cleveland Ave. to Ontario Ave., at $35,796.

BROOKLYN, N. Y.—Bids are asked by Bird S. Coler, Boro. Pres., until 11 a. m., July 1, for laying crosswalks on Fifth Ave., at all four crossings of Bay Ridge Ave., at the north and south crossings of Ovington Ave., at the north and south crossings of 72d St., and at the north and south crossings of 73d St.

NEW YORK, N. Y.—Bids are asked until noon, June 29, by Allen N. Spooner, Comr. of Docks, for furnishing all the labor and materials required for repairing asphalt pavement on North and East Rivers, together with all work incidental thereto.

*NORTHPORT (L. I.), N. Y.—Bids are asked until noon, July 2, by the Village Trustees for grading, regulating, paving and curbing Main St., from Woodbine Ave. to Norwood Ave. The work comprises about 12,000 sq. yds. of Peekskill gravel pavement, 1,100 sq. yds. of granite pavement, 1,300 sq. yds. of brick pavement, 1,400 ft. 18-in. storm sewer, 2,400 ft. of bluestone curb and gutter. John Deveau is Village Clk. Frank Asbury, Huntingdon, L. I., N. Y., is Engr.

*WELLSVILLE, N. Y.—Bids are asked by the Village Trustees until 7.30 p. m., June 30, for brick or block paving.

NEW YORK, N. Y.—Bids are asked by the Park Board until 3 p. m., July 2, for furnishing and delivering 500 cu. yds. of blue limestone screenings. Henry Smith is Pres. Bd.

*PLAINFIELD, N. J.—Bids are asked by the County Road Committee of the Board of Chosen Freeholders of Union County until 2.30 p. m., July 3, for the construction of a macadam road on Terrill road from Green Brook to South Ave. F. J. Hubbard is County Engr.

*CAMDEN, N. J.—Bids are asked by the Stone Road Committee of the Board of Chosen Freeholders until 11 a. m., July 6, for macadamizing the second section of the Blackwoodtown turnpike from Chews to Blackwood, a distance of 2.4 miles, using asphaltum oil for binder, and a separate alternate bid for the same work substituting gravel instead of asphaltum oil for binder on the 1½-in. stone. J. J. Albertson is County Engr.

*SALEM, N. J.—Bids are asked until 2.30 p. m., July 6, by a committee of the Board of Chosen Freeholders for the construction of the Alloway and Aldine road, extending from the bridge over Hitchner's Mill race, in the village of Remsterville to the line of the Township of Upper Pittsgrove, a distance of 4.76 miles. C. C. Ford, Jr., is Clk. Bd. John F. Ayres is Dir.

ATLANTIC CITY, N. J.—All bids for paving Virginia, South Carolina, Ocean and Tennessee Aves. were rejected on June 8 by the City Council. The Standard Bitulithic Co., of Newark, N. J., submitted the lowest bid at $13,385. J. W. Hackney is City Engr.

*CAPE MAY, N. J.—Bids are asked until noon, July 7, by the Board of Chosen Freeholders of Cape May County for the construction of a gravel road from the center of the Seashore road at Rio Grande to a point in the Bay Shore road near Schellinger's Corner, at Green Creek, a distance of 2.907 miles and known as the Rio Grande road. R. Fendall Smith is County Engr.

HARRISBURG, PA.—Bids are asked until June 30 by the State Highway Department for the construction of 8,030 ft. of road. Joseph W. Hunter is State Highway Comr.

WILKES-BARRE, PA.—Bids are asked until noon, June 18, by Fred H. Gates, City Clk., for resurfacing and repaving the sheet asphalt pavements now existing in the city.

WILKINSBURG (Pittsburg post-office), PA.—Bids are asked until 4 p. m., June 20, by Frease & Sperling, Borough Engrs., Carl Bldg., Wilkinsburg, for grading, paving and curbing several streets here.

ERIE, PA.—The following bids were received on June 4 by the Council for grading, curbing and paving East Ave., from Eighth to Fifth St.: MAYER BROS., sheet asphalt, per sq. yd., $1.05; concrete base, 70 cts.; natural stone, per ft., 43 cts.; artificial stone, 40 cts.; catch-basins, $40 each; land-mark, $8, (awarded contract); John McCormick & Sons, sheet asphalt, $1.09; concrete base, 70 cts.; natural stone curbing, 55 cts.; artificial stone, 45 cts.; catch-basins, $38; land-mark, $7; Cleveland Trinidad Paving Co., sheet asphalt, $1.25; concrete base, 78 cts.; natural stone curbing, 45 cts.; artificial stone, 40 cts.; catch-basins, $40; land-marks, $7.

The contract for resurfacing French St. from Second to Eighth Sts. was awarded to MAYER BROS., the only bidders, at the following prices: For sheet asphalt, $1.84 per sq. yd.; curb resetting, 15 cts. per ft.; natural stone curbing, 75 cts. per ft.; artificial stone, 65 cts. per ft.; manholes, $60 each; catch-basins, $50.

BALTIMORE, MD.—THE GENERAL PAVING & CONTRACTING CO. was awarded the contract on June 10 by the Board of Awards for paving 30th St., from Charles to St. Paul Sts.

*WASHINGTON, D. C.—Bids were received as follows on June 13, at the office of the Commissioners of the District of Columbia for (a) grading Massachusetts Ave., N. W., extended, and (b) filling in on Monroe St.: Joseph B. Latimer, Washington, (b) 38.5 cts. per cu. yd.; C. C. Magruder, Hyattsville, Md., (b) 35 cts.; E. G. Gummel, 300 Rhode Island Ave., Washington, (a) 28 cts., (b) 33 cts.; G. B. Mullin, Washington, (a) 34 cts.; Warren E. Brenizer Co., Washington, (a) 29 cts.; E. J. Cartwright, Washington, (a) 38 cts., (b) 60 cts.

*WASHINGTON, D. C.—Bids are asked until noon, June 30, by the Commissioners of the District of Columbia for laying cement sidewalks.

FARMVILLE, VA.—Bids are asked until June 30 by the County Clerk of Prince Edward County for constructing 2.3 miles of macadam road.

LEBANON, VA.—Bids are asked until noon, June 24, by the State Highway Commission for the construction of about 20 miles of macadam road. P. St. J. Wilson is State Highway Comr.

WHEELING, W. VA.—Bids are asked until 2 p. m., June 22, by the Board of Commissioners of Ohio County for macadamizing a number of roads. T. C. Moffat is Clk. Bd.

BLUEFIELD, W. VA.—A. D. Stone & Co., of Roanoke, Va., have submitted the lowest bid at $24,987 for grading and macadamizing 2.4 miles of county road; W. H. Coffman is Chn. Road Com., Bluefield.

GOLDSBORO, N. C.—The ATLANTIC BITULITHIC CO. was awarded the contract on June 12 for laying bitulithic pavements.

VICKSBURG MISS.—The following contracts have been awarded by the city: To the SOUTHERN PAVING & CONSTRUCTION CO., Chattanooga, Tenn., for paving Mulberry and Clay Sts., 24,833 sq. yds., with brick, at $2.23 per sq. yd.; to RUDOLPH S. BLOME CO., Chicago, Ill., for paving South St., 8,353 sq. yds., with granite and concrete block, at $2.07. H. J. Trowbridge is City Clk.

VICKSBURG, MISS.—THE SOUTHERN PAVING & CONSTRUCTION CO., Chattanooga, Tenn., has been awarded the contract by the City Council for paving Mulberry St., from Depot to Grove St., six blocks, and Clay St., from Washington to First St., with brick on a 6-in. concrete foundation at $2.25 per sq. yd.

The contract for paving South St., from Washington to Locust Sts., has been awarded to the RUDOLPH S. BLOME CO., 79 Dearborn St., Chicago, Ill., at $2.07 per sq. yd.

LAFAYETTE, LA.—The city contemplates the construction of about ten miles of additional cement sidewalks.

COLUMBUS, OHIO.—The INDIANOLA CEMENT PAVING CO., of Columbus, has been awarded the contract at $3,200, for constructing cement walks at the Ohio State Fair Grounds, for the State Board of Agriculture.

CINCINNATI, OHIO.—QUILL & POOS have been awarded the contract by the Board of Public Service at $17,532 for the improvement of Grace Ave.

COSHOCTON, OHIO.—Bids are asked by the District Road Commissioner until June 18 for the construction of two miles of brick, two miles of limestone-macadam, and two miles of gravel roadway. George J. Bock, Jr., is District Road Engr.

CINCINNATI, OHIO.—Bids are asked until noon, June 22, by the Board of Public Service for the improvement of several streets, avenues and alleys. John J. Wenner is Clk Bd.

CHEVIOT, OHIO.—Bids are asked until noon, June 29, by Charles Craig, Village Clk., for the improvement of Applegate Ave.

COLUMBUS, OHIO.—Bids are asked until July 1 by A. B. Critchfield, Adjutant General, Columbus, for the construction of cement walks in and about the Statehouse grounds.

ALLIANCE, OHIO.—The following bids were opened on June 5 by the city for paving Patterson St.: E. A. Freshwater & Son, $1.30 per sq. yd. for paving; curbing, 44 cts. per ft.; total, $21,991. M. Applegate & Son, paving, $1.29; curbing, 47½ cts.; total, $21,562. Ringwald & Son, paving, $1.29; curbing, 38 cts.; total, $19,831. John Wilson, paving, $1.28; curbing, 40 cts.; total, $21,754. Downs & Campbell, paving, $1.16; curbing, 41 cts.; total, $18,636. John C Devine, paving, $1.20; curbing, 43 cts.; total, $20,745. Ferry & Co., paving, $1.35; curbing, 43 cts.; total, $21,002. S. H. DeGroodt paving, $1.20; curbing, 40 cts.; total, $21,075. George D. Smith & Bro., paving, $1.41; curbing, 44 cts.; total, $23,302.

CLEVELAND, OHIO.—Bids are asked until July 15 by the Board of County Commissioners for grading, draining and improving North Miles Ave., located in Chagrin Falls, Warrensville, Solon, Orange and Bedford Townships; and for grading and draining a portion of Cannon road (Ledge Hill), Solon Township. A. B. Lea is County Surv.

BRILLIANT, OHIO.—Bids are asked until noon, June 24, by the village for the construction of concrete sidewalks and necessary crossings upon several streets.

INDIANAPOLIS, IND.—Bids are asked by the Board of County Commissioners until 1 p. m., July 6, for the construction of a public highway. Charles A. Miller is County Audr.

CRAWFORDSVILLE, IND.—Bids are asked by the Commissioners of Montgomery County until 10 a. m., July 11, for the construction of a gravel road in Brown Township, known as the Kleiser road.

MUNCIE, IND.—The Board of County Commissioners on June 5 awarded the contract for paving Wheeling Ave., from the High St. bridge to the Bethel road, a distance of 4,500 ft., to the W. J. KERNER PAVING CO., of Dayton, Ohio, at $29,486 for Metropolitan and $28,778 for Logan brick. Joseph E. Davis is County Audr.

PAOLI, IND.—Bids are asked by the Commissioners of Orange County until 2 p. m., July 7, for the construction of 13,288 ft. of gravel road in Paoli Township. A. B. Ham is County Audr.

ROCKVILLE, IND.—Bids are asked by the Commissioners of Parke County until 1.30 p. m., July 7, for the construction of a gravel road in Wabash Township, known as the Leatherwood road. H. A. Henderson is County Audr.

CRAWFORDSVILLE, IND.—The Commissioners of Montgomery County have awarded a contract to SCRIBNER & GARDNER for the construction of the Jarvis gravel road in Brown Township, at $6,300. The road is two miles in length.

JASPER, IND.—Bids are asked by the Commissioners of Dubois County until 1 p. m., July 7, for the construction of four miles of gravel road. A. M. Sweeney is County Audr.

PERU, IND.—Bids are asked by the Commissioners of Miami County until noon, July 8, for the construction of 18 gravel roads. Charles Griswold is County Audr.

NEW CARLISLE, IND.—Bids are asked by the Town Board until June 22 for 13,000 sq. yds. of brick paving.

WABASH, IND.—The following bids were received on June 9 by the City Council for the improvement of Canal St., by paving with brick, from the west line of Miami St. to the east line of Thorne St., the first square being 40 ft. wide and the remainder 30 ft. wide: DANIEL SHOWALTER & SONS, $9.54 for 40 ft. and $7.35 for 30 ft. (awarded contract); Philip Hipskind & Sons, $10 and $7.88; Lambert Bros., $9.84 and $7.93.

LAURIUM, MICH.—A. W. Anderson & Son, of Houghton, Mich., were the lowest bidders on June 1 for the construction of 30,000 sq. ft. of sidewalk here.

CAIRO, ILL.—THE CAIRO DREDGING CO. was awarded the contract on June 4 by the Board of Local Improvements to fill and sewer cross streets in the upper portion of the city at $73,819.

TAYLORVILLE, ILL.—Bids are asked until 2 p. m., June 23, by A. T. Kinney, Pres. Bd. Local Improvements, for the construction of 14,341 sq. yds. of vitrified brick pavement on a 6-in. concrete base and 10,550 lin. ft. of concrete curb and gutter. J. W. Dappert is City Engr.

CHICAGO, ILL.—Bids are asked until 11 a. m., June 18, by the Department of Public Works, for grading and macadamizing Rogers Ave., from Clayton Court to a point 70 ft. east.

JACKSONVILLE, ILL.—Bids were opened as follows by the Board of Local Improvements on June 4 for paving (a) South West St., (b) East College St.; A. F. FRANKS, Jacksonville, (a) Springfield brick, $20,641; Purington brick, $20,549; (b) Springfield, $12,634; Purington, $12,576 (awarded contracts). John Cherry, (a) $21,042 and $20,951; (b) $12,634 and $12,837. Nunes & Fernandes, (a) Purington brick. $22,548; (b) Purington, $14,101. Keyes & McNamara, (a) Springfield, $21,814; Purington, $21,733; (b) Springfield, $13,450; Purington, $13,391. O. F. Dunlap, (a) Springfield, $22,855; Purington, $22,763; (b) Springfield, $13,831; Purington, $13,853.

IOWA CITY, IOWA.—The City Council opened the following bids for improving Court, Harrison, Davenport, Fairchild, Church, Gilbert and Capitol St. and eight alleys: Cedar Rapids Construction Co., $50,330; William Horrabin, $53,292; Flint Brick & Coal Co., $55,507.

STILLWATER, MINN.—The City Council has awarded the contract for paving several portions of the streets in the business section of the city with vitrified brick on a concrete foundation to the STILLWATER STONE SIDEWALK CO. at $2.05 per sq. yd.

MINNEAPOLIS, MINN.—Bids are asked until 11 a. m., June 22, by the Board of County Commissioners for road work contracts Nos. 27, 28 and 29. Hugh R. Scott is County Audr.

DULUTH, MINN.—Matt Thomas has submitted the lowest bid at $11,000 to the Board of County Commissioners for the improvement of about eleven miles of the Miller trunk road. Six other contractors bid $11,100, the amount of the appropriation, for the work, which includes grading, ditching and cutting out the roadway and repairing culverts.

CHANUTE, KAN.—Bids are asked until 5 p. m., June 22, by W. F. Sams, City Clk., for grading, curbing and macadamizing 32 blocks of streets.

FREMONT, NEB.—The contract for furnishing material and curbing Dist. No. 14 has been awarded to R. WHITFIELD, of Fremont, at $1.83 for paving and 39 cts. per lin. ft. for curb. Bids were opened on May 31. E. N. Morse is Chn. Bd. Pub. Wks.

BOZEMAN, MONT.—Bids are asked until 7.30 p. m., July 2, by H. H. Holloway, City Clk., for constructing 25,000 sq. yds. of concrete pavement.

ST. LOUIS, MO.—Bids are asked by the Board of Public Works until June 26 for sidewalk improvements.

BELLEVILLE (Zincite post-office), MO.—Contracts for paving and sewering five streets were awarded by the Board of Public Improvements on June 3 as follows: A St., paving and sewering, HOEFFKEN BROS., $24,487; Race St., HOEFFKEN BROS., $7,397; Lebanon Ave., REEB BROS., $50,988; First St., HOEFFKEN BROS., $27,053; Second St., REEB BROS., $15,858.

ST. LOUIS, MO.—Bids are asked until June 26 by the Board of Public Improvements for the improvement of the sidewalks of various streets.

SEATTLE, WASH.—R. H. Thomson, City Engr., has reported the estimated cost of the following street improvements: West 73d and other streets, grading, etc., $8,800; North and West 60th St. and other streets, concrete walks, $5,000; Pinellas Place and other streets, grading, etc., $25,400; Terry Ave. North and other streets, planking, $13,400; Queen Anne Ave. and other streets, asphalt paving, $17,700; Washington St. and other streets, asphalt paving, $106,000.

SAN FRANCISCO, CAL.—The following bids were received on June 5 by the Board of Public Works for the construction of a municipal asphalt plant: Warren Asphalt Paving Co., $14,950; Hetherinton & Burner, $8,980; Barber Asphalt Paving Co., Seventh and Hooper Sts., San Francisco, $13,550; A. L. Young Machinery Co., $13,550. Marsden Manson is City Engr.

RICHMOND, CAL.—Bids are asked until 8 p. m., June 22, by the Board of Trustees for paving Macdonald Ave. with an asphaltic wearing surface 2 ins. thick. H. H. Turley is Clk. Bd.

MANUFACTURING PLANTS.

(denotes that this work is advertised in Engineering News.)*

CHELSEA, MASS.—We are officially advised that the contracts awarded to the ABERTHAW CONSTRUCTION CO., 8 Beacon St., Boston, Mass., call for rebuilding a part of the lamp black factory of Samuel Cabot, Inc., paint grinding mill, storage building and quilting shop to replace those destroyed; also a concrete wall along the front of the plant. The buildings are to be of reinforced concrete with metal sash, wire glass windows and fireproof doors along the entire front of the lot.

FORT ANDREWS (Boston post-office), MASS.—The following contracts have been let for the construction of a bakery building CHARLES E. CURRIER CO., 110 Summer St., Boston, construction, $8,820, with slate roof; WILLIAM N. McKENNA CO., 79 Chestnut St., Boston, plumbing, $799; ENGLISH & FLETT, Inc., 266 Congress St., Boston, heating, $379.

NEW LONDON, CONN.—The Hydro Carbon Converter Co., a corporation with $100,000 capital stock, has purchased a water front site with wharfage, and will commence at once the erection of a plant for manufacture of a patented device which makes possible the use of crude oil or gasoline in aerial combustion engines.

NEW YORK, N. Y.—Howells & Stokes, Archs., 100 William St., New York, advise us that they have been retained to prepare plans for a 4-story forge and foundry building for Pratt Institute, Brooklyn. The building will be erected on the campus.

CALEDONIA, N. Y.—The Iroquois Portland Cement Co., H. S. Hamilton, Pres., Youngstown, Ohio, has awarded general contract to the HUNT ENGINEERING CO., of Iola, Kans., for additional buildings and equipment, at Caledonia, to increase plant from present 800 bbl. daily capacity to 1,500.

BUFFALO, N. Y.—Ralph G. Wright, 52 Terrace St., has had plans prepared for a 4-story brick factory building, which he intends to erect at the southeast corner of Eagle and Oak Sts. The factory will cost $15,000.

DUNKIRK, N. Y.—The Brooks plant of the American Locomotive Works will start construction soon on the superstructure for a power-house and condenser building. The power-house is to be 1-story, 192 × 165 ft., and condenser building, 1-story, 140 × 115 ft., both of brick and concrete. Foundations and chimneys have been finished.

NEWARK, N. J.—We are officially advised that the general contract has been awarded to the AMERICAN CONCRETE-STEEL CO., Union Bldg., Newark, N. J., for the construction of a 4-story factory building of reinforced concrete, for Larter & Son, to be erected at the corner of Parkhurst and Austin Sts., this city. Cost, about $30,000.

MILLVILLE, N. J.—William Tweed is preparing to erect a factory for the manufacture of glass vials and other small ware in East Millville. The plant will be ready for operation in the fall.

PHILADELPHIA, PA.—Bids are asked until 2 p. m., July 9, by Col. Frank Heath, Ordinance Dept., U. S. A., for constructing a 2½-story brick, concrete and steel building, 203 ft. 10½ ins. long and 54 ft. and 3 ins. wide, for shop for fuze and artillery primer departments at the Frankford Arsenal. Specifications are on file at the office of Engineering News, New York.

SHARPSVILLE, PA.—The Sharpsville Furnace Co. has awarded the contract for improvements at the plant here to the BROWN HOISTING MACHINERY CO., 4403 St. Clair Ave., N. E., Cleveland, Ohio. These improvements consist of hoisting equipment, installing stock bins, an ore dumper and a trestle.

PITTSBURG, PA.—Fire in the plant of the Best Mfg. Co., at 25th St. and the Allegheny Valley R. R., damaged the pipe shop to the extent of $25,000, principally to machinery. The damage will be replaced at once.

C. B. Comstock, Arch., East End Hotel, let general contract to W. C. EBERT, 6710 Frankstown Ave., for a 4-story and basement brick packing plant, 40 × 70 ft., to be built on Spring Garden Ave., for the Union Packing Co. at a cost of $60,000.

IRVONA, PA.—Swank & Sons, of Johnstown, Pa., will erect a brick plant here.

WASHINGTON, D. C.—The following bids were received by the Secretary of the Department of Agriculture, Washington, D. C., on June 2, for installation of machinery and the completion of a portable refrigerating plant for the Bureau of Plant Industry: Penn Engineering Co., 312 Cherry St., Philadelphia, Pa., $5,300, three months; Wilmington Machine Co., Wilmington, Del., $7,145, 90 days; Dickerman & Yeakley, 26th St. and Susquehanna Ave., Philadelphia, Pa., $7,400, 100 days.

NORFOLK, VA.—H. G. Williams & Co. will build a rectifying plant to cost $30,000. Ferguson & Calrow, Law Bldg., Norfolk, are Archs. Cost of machinery, $5,000.

ALEXANDRIA, VA.—The Semmes-Kelly Co., Charles W. Semmes, Pres., 614 Pennsylvania Ave., Washington, D. C., has leased building in Alexandria, which will be equipped for manufacturing cider and vinegar with capacity of 1,000 bbls. of cider daily; the company contemplates establishing cider mill at Colesville, Va.

SUMTER, S. C.—Press reports state that a company will be organized for the purpose of building a cotton factory at Sumter, S. C. The Sumter Land Co. is said to be interested in the proposition.

NEWBERRY, S. C.—Newberry Cotton Mills will build an addition and install 10,000 spindles and 300 looms. Present equipment, 28,000 spindles and 900 looms.

ATLANTA, GA.—See under Buildings.

ATLANTA, GA.—Harry L. Schlesinger is planning to rebuild candy and cracker factory recently burned at loss of $200,000. The building is to be of pressed brick and granite, four stories and basement, 200 × 110 ft. Total expenditure, about $400,000.

JACKSONVILLE, FLA.—A hat factory will be established here at Main and Monroe Sts., and is to be built and finished by the first of September. It will be built by the Vienna Hat Co., George Kandel, Mgr. Machinery will be put in and over 50 hands will be employed.

The Wilson & Toomer Mfg. Co., maker of fertilizers, Jacksonville, Fla., has decided to build a mill to supply the bags needed in packing its products for the market. Plans and specifications have been prepared for the factory structure, which will be two stories, 90 × 84 ft., of mill construction. In this building will be installed machinery for an annual output of 1,000,000 bags, besides an equipment of machinery for printing labels on these bags.

FLORENCE, ALA.—The Ashcraft Cotton Mills intend to rebuild power-plant and add low-pressure side to engine and condenser. The management desires estimates.

WINNFIELD, LA.—A. T. Hawk, Arch., Chicago, Rock Island & Pacific Ry. Co., is preparing plans for a roundhouse to be built at Winnfield.

BURRWOOD, LA.—Bids are asked until 11 a. m., July 8, by Col. E. H. Ruffner, Corps Engrs., U. S. A., Custom House, New Orleans, La., for constructing a reinforced-concrete plant at Burrwood, Southwest Pass, Mississippi River.

CLINTON, TENN.—An addition is to be erected for the plant of the Magnet Knitting Mills, of Clinton, to include a new dyehouse for sulphur colors exclusively. The concern will then have an output of 10,000 dozen pairs of half-hose monthly. Paul F. Vogel is Vice-Pres. and Gen. Mgr.

PARIS, TENN.—The Nants Cold Storage Co., Paris, will receive bids for installing a $10,000 cold storage plant.

CHATTANOOGA, TENN.—J. H. Parham, 713 Cherry St., will rebuild a brick mattress factory recently burned. A building, 72 × 120 ft., will be erected at a cost of $10.000. It will have three stories. John Heibeck, Chattanooga, is Arch.

LOUISVILLE, KY.—The Louisville Woodstock Co., 1016 Garden St., recently incorporated, has capital stock of $25,000 and will manufacture poles, shafts, rims and buggy material, slack-barrel staves and headings. Cost of machinery, $10,000. J. J. Bosemer is Pres.; H. Brownell, Secy. and Gen. Mgr.

Fred Erhart, Arch., 409 Norton Bldg., is preparing plans and will receive bids for a 4-story and basement brick factory building, 100 × 150 ft., for Louisville Cotton Oil Co., Floyd and K Sts. Cost, $40,000.

EAST LIVERPOOL, OHIO.—It is stated that the East Liverpool Traction & Light Co. will erect a car barn on property, 237 × 500 ft. Contract will be let at once. J. C. Rothery is Gen, Mgr., East Liverpool.

MANTUA, OHIO.—The Standard Oil Co., 26 Broadway, New York, has awarded the contract for the erection of a new pumping station, together with a storage tank of 50,000 gallons capacity, to NIEDERMEIER & RESTLE, of Youngstown, Ohio. The Standard Oil Co. will furnish all materials and equipment for both the pumping station and the reservoir.

ELYRIA, OHIO.—The INTERSTATE ENGINEERING CO., of Bedford, Ohio, has been awarded the contract for the steel superstructure for the new factory to be erected by the Enameled Pipe & Mfg. Co. in Elyria, Ohio.

COLUMBUS, OHIO.—Bids are asked until June 22 by Capt H. J. Hirsch, Constr. Q. M., for constructing a bakery, including plumbing, heating and electric wiring, at Columbus Barracks.

ANDERSON, IND.—The Union Embossing Machine Co. has awarded a contract to JOHN CLIFTON & SON for the construction of a factory.

ECORSE, MICH.—We are officially advised that the Worcester Salt Co., head office at Silver Springs, N. Y., proposes to build a 4-story reinforced-concrete building at its plant in Ecorse, Mich., the approximate dimensions being about 40 × 80 ft. W. B. Powell is Gen. Mgr.

CHICAGO, ILL.—Plans are being prepared by H. L. Ottenheimer, Arch., Fort Dearborn Bldg., for a manufacturing building costing $100,000 that is to be built for Alex Friend & Co. on the east side of Desplaines St., 110 ft. south of Madison St. The building will be eight stories high, 79 × 69 ft.

The Goetz & Flodin Mfg. Co., 109-133 West Chicago Ave., contemplates the erection of a tank and machine shop on the Northwest Side. The building is to cover an area of 300 × 300 ft., and will be built of brick. Cost, $150,000.

CHICAGO, ILL.—We are advised by Holabird & Roche, Archs., Monadnock Block, that a 12-story fireproof factory, 142 × 190 ft., is to be built by Hart, Schaffner & Marx, at a cost of about $1,000,000. It will be of steel construction, with hollow tile floors, brick walls and saw-tooth roof. There will be a system of elevators, package conveyors, pneumatic tubes, etc., together with ventilating plants for the workrooms and a refrigerating plant for drinking water which will be distributed by pipes. Bids will be received in about 90 days.

HUMBOLDT, KAN.—The Freeborn Engineering Co., Scarritt Bldg., Kansas City, Mo., is ready to start work and will receive bids for a cement plant to be constructed at Humboldt, Kan., for the Humboldt Portland Cement Co., Long Bldg., Kansas City, Mo. Brick with composition roof and structural steel will be used. Cost, $750,000. Capacity, 2,500 bbls. daily.

CHILDRESS, TEX.—It is probable that the Fort Worth & Denver City Ry. Co. will rebuild the machine shop, blacksmith shop, boiler shop and copper shop at Childress which were completely destroyed by fire. G. F. Cotter is Gen. Supt., Fort Worth, Tex.

HOLLIS, OKLA.—O. B. Kee, of Oklahoma City, has purchased site and will erect a cotton-oil mill to cost $100,000.

WESTPORT, ORE.—S. Benson, of the Benson Logging Co., has secured a new mill site near Westport and will erect a plant for sawing lumber and will run it in conjunction with the company's other milling and rafting plants and enterprises.

ARTESIA, CAL.—W. M. Rose, of Anaheim, Cal., has secured a site on which to erect a factory for manufacturing cement pipe and blocks.

MONTREAL, QUE.—E. N. Heney & Co., 333 St. Paul St., Montreal, will build a new carriage factory at a cost of about $80,000. The LAURIN CONSTRUCTION CO., Montreal, has the contract.

COLLINGWOOD, ONT.—The plant of the Imperial Wire & Steel Co., Collingwood, Ont., will be extended this season.

SASKATOON, SASK.—The Canadian Pacific Ry. Co. has decided to erect a machine shop in connection with other buildings at a cost of about $20,000. W. E. Woodhouse, Calgary, Alta., is Master Mechanic.

VANCOUVER, B. C.—The SCHAAKE MACHINE WORKS CO., New Westminster, B. C., has been awarded the contract for rebuilding all the machinery required for the mill of the Moresby Island Lumber Co. at Queen Charlotte. The contract price is $70,000.

MISCELLANEOUS CONTRACTS.

(* *denotes that this work is advertised in Engineering News.*)

U. S. RECLAMATION SERVICE.—All news relative to canal projects, etc., will be found under Water Supply—Irrigation.

TUNNEL.—Madison, Wis. — See under Buildings.

COAL POCKET.—Allentown, Pa.—See under Buildings.

DRAINAGE.—Webster City, Iowa.—Contract for construction of the Talcott Drainage Ditch has been let to HENRY TEGET, of Blairsburg, Iowa, at $6,000.

*DREDGING.—Duluth, Minn.—Bids are asked by Maj. Graham D. Fitch, Corps Engrs., U. S. A., Duluth, until noon, June 30, for dredging in Duluth-Superior Harbor.

FORGINGS.—Washington, D. C.—Bids are asked until noon, June 24, by N. E. Mason, Ch. of Bureau of Ordnance, Navy Dept., for furnishing steel hoop and liner forgings for 12-in. guns.

DITCH.—Fairmont, Minn.—Bids were received on June 10 by H. P. Edwards, County Audr., for constructing Judicial Ditch No. 2. Contract was awarded to JERRY SHERWOOD, Litchfield, Minn.

TELEPHONE SYSTEM.—Baldur, Man.—The municipality has decided to install a municipal telephone system with about 300 subscribers, to cost approximately $32,000. Address Walter Mahon.

CANAL.—Stockton, Cal.—Bids will be received until noon, July 8, by Lieut.-Col. John Biddle, Corps Engrs., U. S. A., San Francisco, for constructing a diverting canal north and east of Stockton.

WILLOWS.—New Orleans, La.—Bids are asked by Col. E. H. Ruffner, Corps Engrs., U. S. A., New Orleans, until 11 a. m., July 6, for furnishing willows at South or Southwest Pass, Mississippi River.

DREDGING.—Wakefield, R. I.—Bids will be received by Earl C. Whaley, Engr., for Town Com., until June 20 for dredging a channel 3,700 ft. long, 20 ft. wide and 4 ft. deep in Point Judith Pond, South Kingston.

*STEEL GATES.—Nashville, Tenn.—Bids are asked by Maj. Wm. W. Harts, Corps. Engrs., U. S. A., Nashville, until 11 a. m., July 15, for constructing and erecting steel lower gates for Hales Bar Lock, Tennessee River.

TARGET PLATES.—Philadelphia, Pa.—Bids are asked until June 27 by the Commanding Officer, Frankford Arsenal, Philadelphia, for furnishing 50 terminal velocity target plates of forged steel, 14¼ × 14¼ × 1¼-in., true on both faces, edges trim.

*RETAINING WALL.—Wilmington, Del.—Bids are asked by Edward R. Mack, Park Engr., until 10.30 a. m., July 2, for constructing a reinforced concrete retaining wall, 276 ft. long, along Brandywine Creek at Kirkwood Park, Wilmington.

LEVEE.—Bledsoe, Ark.—Bids will be received until July 3 by the Levee Board, at West Memphis, Ark., for constructing about 110,000 cu. yds. of levee enlargement work at Bledsoe. B. G. Covington, Ch. Engr., 168 Randolph Bldg., Memphis, Tenn.

GRADING, ARCH, ETC.—Connersville, Ind.—Bids are asked by Jasper L. Kennedy, County Audr., until July 10 for construction of one 45 × 45 ft. concrete arch, also a fill on same highway, to consist of 34,250 cu. yds. grading, 2,733 cu. yds. gravel, and 9,840 sq. ft. sodding.

DRINKING FOUNTAINS.—New York, N. Y.—Bids are asked by the Department of Parks until 3 p. m., June 25, for furnishing full-size model, mold, piece molds, labor and materials and casting bronze drinking fountains for the Department of Parks, Boro. of the Bronx

CEMENT, STEEL, STONE.—Washington, D. C.—Bids will be received until noon, June 24, at the office of Lieut. E. J. Dent, Corps Engrs., U. S. A., 22d and K Sts., N. W., for furnishing and delivering Portland cement, sand, broken stone, gravel and reinforcing steel.

PROTECTION WALL.—Skaneateles, N. Y.—Bids are asked by F. C. Stevens, Supt. of Public Works, Albany, until noon, June 23, for the work of constructiong a protection wall on the west side of the Skeneateles Lake outlet, in the village of Skaneateles, N. Y. Frederick Skene is State Engr.

RETAINING WALL.—Bridgewater, Pa.—The Pennsylvania State Water Supply Commission has awarded the contract for the construction of a concrete retaining wall and the necessary fill, along the Ohio River at Bridgewater to C. M. DRIVER, McCance Block, Pittsburg, Pa., at $21,454.

*MECHANICAL STOKERS.—Washington, D. C.—Bids are asked by B. T. Galloway, Ch. Com. on Bldgs., U. S. Dept. Agriculture, until 2 p. m., July 1, for mechanical stokers for the boiler plant, consisting of five continental internally fired boilers, of the United States Department of Agriculture, Washington, D. C.

*FILLING.—Danville, Pa.—Bids are asked by the Board of Trusteesof the State Hospital for the Insane at Danville, Pa., until noon, July 9, for filling a portion of the Pennsylvania canal upon the grounds of the State Hospital, Danville, Pa. Plans and specifications can be had by applying to Dr. H. B. Meredith, Supt. State Hospital, Danville, Pa.

LUMBER.—Leavenworth, Kan.—Bids are asked until 10 a. m., June 29, by R. V. La Dow, Supt. Prisons and Prisoners, Dept. Justice, Washington, for furnishing and delivering at the U. S. penitentiary, Leavenworth, Kan., the following lumber for scaffolding: 15,400 ft. cottonwood or No. 1 short-leaf yellow pine, 4 × 4 × 16, rough; 13,500 ft. same, 2 × 12 × 16, rough; 11,200 ft. same, 1 × 12 × 16, rough.

PUMPING STATION.—Mantua, Ohio.—NIEDERMEIER & RESTLE, of Youngstown, Ohio, have secured a contract from the Standard Oil Co. to erect a large pumping station at Mantua, Ohio. The station will be located on the company's main line through Ohio and will contain a reservoir of 50,000 gallons. The Standard Oil Co. will furnish its own material for the erection of the pumping station, of which the contractors will have entire supervision.

DREDGING.—Key West, Fla.—Bids were received on June 13 at the office of the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for diking, dredging and filling at the Naval Station, Fla. There was only one bid, that of Howard Trumbo, Front St., Key West, Fla., Item 1, $24,235 (for dredging and filling, 31 cts. per cu. yd.; Item 2, $21,570; 33 cts. Item 3, $12,000; 46 cts. Item 4, $12,000; 45 cts. Item 5, $5,000. Item 6, $4,482. Item 7, $2,600.

WHARF.—Mobile, Ala.—Bids for the construction of a wharf at the Southwest Pass, La., Light Station, were opened on May 28 by the Engineer, Eighth Light-House District, Mobile, Ala., as follows: Peter Eskald, Biloxi, Miss., $7,850; John Rensch, New Orleans, La., $8,573; Doulutt & Williams, New Orleans, La., $8,480; C. W. Wood New Orleans, La., $9,250; W. T. Hieronymus, Mobile, Ala., $9,300; Geo. W. Brown, West Palm Beach, Fla., $9,875. The bids were rejected as excessive.

*DREDGING, DOCKS, ETC.—Chicago, Ill. —The Sanitary District has awarded to JAMES O. HEYWORTH, Chicago, the contract for excavating the North Shore channel from Dodge St. one mile north, at a cost of $137,525. S. KRUG, 35th St. and Wentworth Ave., Chicago, was given the contract for wrecking the Iowa elevator at 14th St. **He will retain the wreckage, for which he will pay the Sanitary District $12,312. For the wreckage of the City elevator, south of Twelfth St., Mr. Krug will pay $10,375. The FITZSIMMONS & CONNELL CO., 131 LaSalle St., was given a contract for dredging the main channel and bu[illegible] docks in the vicinity of Western Ave., [illegible] bid being $25,-738.**

CEMENT.—Pittsburg, Pa.—Bids were received by F. P. Booth, County Controller, on June 12, for furnishing about 2,000 bbls. of Portland cement for [illegible]rs and construction of county structures for the ensuing season. Contract was awarded to the BIRMINGHAM SUPPLY CO., South 17th and Muriel Sts., Pittsburg, for "Alpha" brand at $1.47 per bbl. in cloth or wood; $1.22 per bbl. in paper.

AIR COMPRESSORS.—Philadelphia, Pa.—Bids were received as follows [illegible] June 13 at the office of the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for furnishing one cross-compound [illegible] air compressor for the Philadelphia Navy Yard: Nordberg Mfg. Co., Oklahoma Ave. and Chicago Road, Milwaukee, Wis., (a) $26,8[illegible], with condenser; (b) $22,600, without condenser; Sullivan Machinery Co., 1170 West Lake St., Chicago, (a) $[illegible]; Laidlaw-Dunn-Gordon Co., 115 Broadway, New York, (a) $25,275; (b) $21,565; Ingersoll-Rand Co., 11 Broadway, New York, (a) $26,265; (b) $22,065.

*CEMENT.—Columbus, Ohio.—Bids are asked by Chas. E. Perkins, Ch. Engr., State Board of Public Works, until noon, June 23, for the delivery of Portland hydraulic cement, f. o. b. at the following railway stations: 2,160 bbls. delivered at St. Marys; 2,100 bbls. at Defiance; 1,510 bbls. Grand Rapids; 1,530 bbls. Maumee, 4,[illegible]0 bbls. Toledo; 3,500 bbls. Russells Point, Logan Co.; 7,000 bbls. Middletown; 90 bbls. Lockland; 820 bbls. Crescentville; 600 bbls. Franklin; 500 bbls. Dayton; 160 bbls. Akron; 120 bbls. Massillon; 1,130 bbls. Zoar; 150 bbls. Bolivar, and 160 bbls. at New Philadelphia.

DOCK, WHARF, ETC.—New York, N. Y.—Contracts have been awarded by the Quartermaster-General, U. S. A., for the purpose of improving and beautifying the grounds at the base of the Statue of Liberty on Bedloes Island, in New York Harbor, as follows: New storage dock will be built by the McHARG-BARTON CO. 165 Broadway, New York, for $56,900. LAWLER BROS. CONSTRUCTION CO., 21 Park Row, New York, will construct a timber wharf on the northwest side of the island at $11,325. The GENERAL CONTRACT CO., of New Orleans, will lay out roads and walks at a cost of $11,928. All the proposed work will be completed within a year.

COAL-HANDLING PLANT.—New York, N. Y.—The Bureau of Yards and Docks, Navy Dept., has placed in the hands of the public printer, a specification for a coal-handling plant for the new central power-house at the Navy Yard, New York. The coaling plant is to be designed for receiving, crushing, elevating, storing, weighing and delivering coal for the operation of the twelve boilers of the new power plant, having a normal rating of 5,200 HP. The contract will allow six months for the completion of the work. The estimated cost is $25,000. Specifications should be ready for distribution in about three weeks, and bids will probably be opened early in August.

DITCH.—Fergus Falls, Minn.—Bids were received as follows on June 11 by Wm. Lincoln, County Audr., for digging and constructing (a) Ditch No. 38; also (b) Ditch No. 40. (a), Paul Fischer, Wadena, Minn., $10,219; Henry Wilder, Crookston, Minn., $9,999; Frank Ludeen and Nels O. Edholm, Deer Creek, Minn., $8,650; Wm. Bimberg and Chas. Kuhn and Matts Lohi, New York Mills, Minn., $7,485; Miller Dredge Co., $8,960; G. B. Roddis, Long Prairie, Minn., $10,682; Peter Nehl & William Tabery, Sebeka, Minn., $9.285; OLAF PARY AND I. K. MAKI, New York Mills, Minn., $7,472 (awarded contract). On contract (b) OLAF ISAKSON, of Deer Creek, Minn., was lowest bidder at $2,343, and was awarded the contract.

VESSELS.—Washington, D. C.—Bids were received as follows June 10 at the office of the Quartermaster General, U. S. A., Washington, D. C., for furnishing five gasoline launches and seven steam vessels for the Quartermaster Department:

Gasoline: F. A. Virden Co., West New Brighton, N. Y., one, $16,234; two, $32,018; three, $46,602; four, $62,986; five, $78,170. Bath Marine Construction Co., Bath, Me., one, $18,260; two, $35,260; three, $52,210; four, $68,960; five, $85,360. Vaughn Bros., Camden, N. J., one, $26,060; two, $52,000; John H. Dialogue & Son, Camden, N. J., one, $26,259; two, $51,750; three, $76,200. Mathews Boat Co., Port Clinton, Ohio., one, $15,900; two, $27,400; three, $40,700; four $53,600; five, $66,500. Charles L. Seabury and Gas Engine & Power Co., Morris Heights, N. Y., one, $17,500; two, $35,000; three, $49,250; four, $64,600; five, $79,250; with smaller engine, one, $16,000; two, $31,200; three, $46,000; four, $60,500; five, $74,500. Greenport Basin Construction Co., Greenport, N. Y., one, $16,137; two, $31,456. New York Yacht, Launch & Engine Co., Morris Heights, N. Y., one, $22,750; two, $42,450; three, $62,650; four, $82,650; five, $102,650. Elco Electric Launch Co., Bayonne, N. J., one, $21,480; two, $37,940; three, $56,820; four, $76,680; five, $89,700. New York Shipbuilding Co., Camden, N. J., one, $20,250; two, $40,050; three, $59,800; four $79,850; five, $90,250. Baker Yacht Basin, Inc., Quincy, Mass., one, $20,176; two, $39,600; three, $59,300; four, $79,000; five, $98,500.

Steam: F. A. Virden Co., one, $17,348; two, $34,096; three, $50,096; four, $66,592; five to seven, $16,248 each. John H. Dialogue & Son, one, $29,800; two, $58,000; three, $86,000. Pusey & Jones, Wilmington, Del., one, $22,300; two, $44,000; three, $63,900; four, $84,800; five to seven, $21,000 each. Racine Boat Co., Muskegon, Mich., one, $15,600; two, $30,600; three, $45,600; four, $60,400; five to seven, $14,900 each. Charles L. Seabury, etc., one, $23,500; two, $45,000; three, $67,200; four, $89,200; five to seven, $22,000 each. **Elco Electric Launch Co., Bayonne, N. J., one, $24,000; two, $46,000; three, $68,100; four, $89,200; five to seven, $21,900 each.**

CONTRACT PRICES.

[Where * precedes items under Contract Prices the work was advertised in Engineering News.]

*SEA-WALL.—Montgomery, Ala.—Bids were received on May 20 by Capt. H. B. Ferguson, Corps. Engrs., U. S. A., Montgomery, for construction of a sea-wall at Fort Pickens. List of bids was noted on June 4. Contract has been awarded to BREWER & JONES, Birmingham, Ala. Their bid in detail was as follows: (A) 15,000 cu. yds. excavation; (B) 21,000 cu. yds. concrete; (C) 1,525,000 ft. B. M. sheet piling; (D) 725,000 ft. B. M. sheet piling (creosoted); (E) 12,000 tons riprap; (F) 300 lin. ft. vitrified pipe; (G) total; (H) extra cement, per bbl.: (A) 15 cts.; (B) $5.35; (C) $27; (D) $47; (E) $3.75; (F) 25 cts.; (G) $236,545; (H) $1.90.

*PRESSURE TUNNEL.—New York, N. Y.—Bids were received on June 2 by the Board of Water Supply for Contract 12, for the construction of the Rondout pressure tunnel and one-half of the Bonticou grade tunnel Catskill Aqueduct: (A) T. A. GILLESPIE CO., 90 West St., New York (awarded contract); (B) Bradley Construction Co., 329 West 68th St., New York; (C) McArthur Bros. Co., 11 Pine St., New York; (D) Degnon Contracting Co., 60 Wall St., New York; (E) S. Pearson & Co., Long Island City.

		(A)	(B)	(C)	(D)	(E)
150	lin. ft., construction shaft, in earth	$250.00	$150.00	$200.00	$250.00	$191.00
700	lin. ft. construction shaft, in Shaw grit, Binnewater sandstone and H. F. shale.	350.00	200.00	450.00	320.00	336.00
1,525	lin. ft. construction shaft in all kinds of rock not included in Item 2	350.00	175.00	300.00	300.00	208.00
150	lin. ft. refilling construction shafts	12.00	20.00	12.00	7.00	8.00
160	lin. ft.waterway and drainage shaft in earth	250.00	150.00	150.00	250.00	93.00
4,300	cu. yds. rock excavation in waterwa & dr. shaft in S. grit, B. sand. & H. F. shale.	15.00	15.00	20.00	25.00	39.60
14,000	cu. yds. rock excavation in waterway & dr. shaft in rock not incl. in Item 6	15.00	10.00	14.00	22.00	18.85
590	M. ft. B. M. timbering in waterway and drainage shafts	70.00	60.00	100.00	80.00	103.00
730	M. ft. B. M. maintenance and removal of shaft timbering	30.00	25.00	30.00	40.00	10.00
41,000	cu. yds. excavation of pressure tunnel in S. grit, B. sandstone & H. F. shale	10.00	12.00	12.00	11.00	9.00
223,000	cu. yds. excavation of pressure tunnel in rock not incl. in Item 10	9.00	9.00	7.80	9.00	8.50
1,175,000	lbs. furnishing structural steel roof support	.04½	.04	.05	.05	.07
1,175,000	lbs. erecting structural steel roof support	.04½	.06	.03	.02	.02
	Construction pumping-plant (lump sum)	120,000.00	210,000.00	350,000.00	85,000.00	162,000.00
600,000	mil. ft. gals. pumping from shafts and pressure tunnel during construction	.30	.10	.60	.30	.50
27,790	lin. ft. drainage channels for shafts and pressure tunnel					
1,750	lin. ft. (of shaft) forms for lining of waterway shafts & outer lining of drain-	2.50	2.00	2.50	2.00	2.50
	age shafts	8.00	10.00	8.00	9.00	3.75
485	lin. ft. (of shaft) forms for inner lining of drainage shaft	8.00	10.00	8.00	9.00	3.75
23,690	lin. ft. (tun. & dr.) forms for lining pressure tunnel and drainage drift	4.00	5.00	4.80	4.00	3.75
11,500	cu. yds. concrete masonry in shafts	10.00	9.00	9.00	9.00	10.68
110,000	cu. yds. concrete masonry in pressure tunnel and drainage drift	8.00	10.00	7.45	9.00	10.68
23,500	sq. ft. drainage interlining in drainage shaft	.30	.40	.35	.28	.35
7,500	lbs. furnishing & erecting steel castings & erect. spec. valves in dr. sh. & dr.	.10	.15	.15	.12	.13¾
8,500	lbs. bronze access door and frame	.80	.75	1.00	.60	.68¼
60,000	lbs. structural steel interlining in drainage drift and pressure tunnel	.07	.10	.10	.07	.09
450	sq. ft. cutting channels for water-stops	2.00	5.00	2.00	2.00	2.00
550	lin. ft. lead-lined 16-in. cast-iron flanged pipe and specials	30.00	40.00	30.00	30.00	21.50
37,000	cu. yds. excavation of grade tunnel	6.00	9.00	4.65	8.00	8.25
80	M. ft. B. M. permanent timbering in grade tunnel	70.00	60.00	75.00	80.00	70.00
3,340	lin. ft. of tun., grade tunnel drainage	1.50	5.00	2.00	1.25	2.50
3,340	lin. ft. of tun., forms for masonry lining in grade tunnel	3.50	10.00	4.00	4.00	3.75
9,900	cu. yds. concrete masonry in grade tunnel	7.00	10.00	7.00	8.00	8.68
150	M. ft. B. M. temporary timbering	70.00	60.00	60.00	100.00	70.00
600	sq. yds. additional trimming in shafts, tunnels and drift	8.00	10.00	10.00	5.00	5.75
6,000	cu. yds. excess concrete masonry in shafts, tunnel and drift	3.00	3.00	3.00	3.00	3.00
200	cu. yds. brick masonry in shafts and tunnels	15.00	25.00	20.00	16.00	20.00
8,500	cu. yds. dry packing in tunnels	3.00	3.00	3.25	3.50	2.50
2,500	lin. ft. drilling 1½-in. or smaller holes in rock or masonry	.40	1.00	.40	.80	.75
2,500	lin. ft. drilling 1¾-in. to 2½-in. holes in rock or masonry	.50	1.00	.50	1.10	.75
50,000	lin ft. steel pipe for grouting, etc.	.40	.50	.25	.30	.25
	Miscellaneous plant and equipment for grouting, lump sum	5,000.00	5,000.00	10,000.00	6,000.00	7,500.00
14	High-pressure air-compressors for grouting	300.00	1,000.00	300.00	500.00	422.00
14	tank grouting machines	250.00	500.00	300.00	100.00	615.00
50	grouting pads	100.00	200.00	100.00	100.00	79.00
	Making connections of tank grouting machines to grout pipes (8,000)	2.50	2.00	1.00	1.50	1.00
	Setting grouting pads (2,500)	1.00	2.00	1.00	1.50	1.00
4,000	tons sand for grout	2.00	2.00	2.00	2.00	2.18
6,000	cu. yds. mixing and placing grout	6.00	5.00	10.00	6.00	7.15
2	hydrostatic tests of pressure tunnel	5,000.00	10,000.00	5,000.00	4,000.00	7,500.00
33,000	cu. yds. earth excavation in open cut	1.00	1.00	.60	1.00	.75
50,000	cu. yds. refilling and embanking	.75	.75	.60	.50	.75
16,000	cu. yds. excavating top soil	.40	1.00	.55	.60	.75
14,000	cu. yds. surface dressing of earth	.40	.50	.60	.50	.75
75	M. ft. B. M. timber and lumber	60.00	60.00	60.00	60.00	60.00
2,000	cu. yds. rock excavation in open cut	2.50	3.50	2.50	3.00	2.50
5,500	cu. yds. concrete masonry in open cut	7.00	10.00	9.00	7.00	7.90
350	cu. yds. reinforced concrete not in tunnel	16.00	10.00	15.00	10.00	9.00
65,000	lbs. steel for reinforcing concrete	.05	.05	.05	.05	.04
4,200	lbs. miscellaneous cast iron, wrought iron and steel	.08	.10	.08	.10	.17½
235,000	bbls. Portland cement	1.60	1.85	1.65	2.00	2.41
500,000	lbs. sulphate of alumina for waterproofing concrete, mortar or grout	.02	.05	.02	.02	.03
21	tons cast-iron pipes and special pipe castings	100.00	110.00	110.00	90.00	90.00
5	ten-in. and smaller sluice-gates	60.00	110.00	100.00	70.00	100.00
11,000	lbs. bronze pipe and miscellaneous bronze	1.00	.75	1.50	.60	.71½
1,700	lin. ft. 12-in. and smaller vitrified pipe	.50	.75	.50	.60	.75
600	cu. yds. dry rubble masonry and paving	3.50	4.00	4.00	4.00	5.00
2,200	cu. yds. surfacing permanent roads	3.50	3.00	3.00	3.00	2.50
115	lin. ft. reinforced concrete ladders	3.50	5.00	3.00	4.00	5.00
7	locker houses	1,000.00	1,000.00	1,000.00	1,000.00	1,450.00
	Cleaning up, lump sums	10,000.00	15,000.00	5,000.00	12,000.00	7,500.00
	Totals	$6,290,803	$6,414,335	$6,419,173	$6,579,410	$6,787,111

Time, 54 months. Bond required, $800,000. Engineer's Estimate, $5,313,684.

CIVIL SERVICE EXAMINATIONS.

ASSISTANT CIVIL ENGINEER.—Albany, N. Y.—The postponed examination of May 9, for the position of Assistant Civil Engineer will be held on June 27. Applications will be accepted until noon, June 20. Charles S. Fowler, Chief Examiner, Albany. Noted on April 16.

STEAM ENGINEER.—Washington, D. C.—The U. S. Civil Sevice Commission announces an examination on July 1 to secure eligibles to fill a vacancy in the position of assistant engineer, at $1,400 a year in the office of the Secretary of Agriculture, and vacancies requiring similar qualifications as they may occur. Age limit, 20 years. Application Form 1093.

HYDROGRAPHIC DRAFTSMAN.—Washington, D. C.—An examination will be held by the U. S. Civil Service Commission on July 1-2, to secure eligibles to fill a vacancy in the position of hydrographic draftsman, $900 a year, in the Coast and Geodetic Survey, and vacancies requiring similar qualifications as they may occur in any branch of the service. Age limit, 18 years. Application Form 1312.

ENGINEER.—Denver, Colo.—An examination will be held by the U. S. Civil Service Commission on July 8 to secure eligibles to fill a vacancy in the position of engineer, Schedule B, in the U. S. Mint at Denver, Colo., at $4.25 a day, and vacancies requiring similar qualifications as they may occur in the Mint and Assay Service throughout the United States. Age limit, 20 years. Application Form 1093.

LABORATORY ASSISTANT (Male).—Washington, D. C.—It is announced that the U. S. Civil Service Commission will hold an examination on July 8, to secure eligibles to fill vacancies as they may occur in the position of laboratory assistant in the Department of Agriculture, at $720 to $1,000 a year. The opportunities for appointment are considered good. Competitors will not be assembled for any of the tests.

MECHANICAL AND CHART DRAFTSMAN.—Washington, D. C.—It is announced that the U. S. Civil Service Commission will hold an examination on July 1-2, to secure eligibles to fill a vacancy in the position of mechanical and chart draftsman, Weather Bureau, Dept. of Agriculture, at $1,200 a year, and vacancies requiring similar qualifications as they may occur in any branch of the service. Age limit, 18 years. Application Form 1312.

COAL MINING ENGINEER.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on June 24, to secure eligibles to fill a vacancy in the position of coal-mining engineer, Geological Survey, at $2,400 to $3,600 a year, according to the rating received, and vacancies requiring similar qualifications as they may occur. It is the intention of the Geological Survey to appoint one man as chief coal-mining engineer, at a salary in excess of $3,600 a year, the rate of compensation to be based upon his qualifications, experience, etc. No merely scholastic or clerical tests will be given, and competitors will not be assembled for examination. Age limit, 21 years. Application Form 304.

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INDUSTRIAL NOTES.

THE HAVEMEYER CONSTRUCTION CO., of Chicago, announces its removal to new offices at 145 La Salle St. (Rooms 613 to 615).

THE AVERY CO., Peoria, Ill., states that one of its 22-HP. under-mounted traction engines is in use for hauling an Austin excavator or grading machine on an irrigation project near Greeley, Colo.

THE SCHUTTE & KOERTING CO., of Philadelphia, Pa., manufacturers of steam and engineering specialties for power plant, chemical and other industries, have opened a branch sales office in the Keenan Bldg., Pittsburg, Pa., where they are represented by E. A. Knowlton.

GEORGE E. PRATT, formerly sales manager of the Hicks Locomotive and Car Works of Chicago, has been elected President of the H. A. Clark Co., 17 State St., New York, prominent dealers in passenger and freight cars and car specialties, and who are likewise sales agents for the Middletown Car Works, of Middletown, Pa.

ANNOUNCEMENT IS MADE by the Standard Roller Bearing Co., of Philadelphia, of the recent installation at its factory of a thoroughly equipped testing laboratory, in charge of Walter H. Hart, an expert chemist, formerly connected with the Alan Wood, Iron & Steel Co.

THE PARKER BOILER CO., Penna Bldg., Philadelphia, report the following installations in course of erection: One 499-HP. boiler for Astoria Veneer Mills, Long Island City, N. Y.; two 236 and one 223-HP. boilers for Lawyers' Title Insurance & Trust Co., New York, N. Y.; two 260-HP. boilers for Raymond Lead Co., Chicago, Ill.

H. W. CALDWELL & SON CO., of Chicago, Ill., Engineers, Founders, Machinists and Manufacturers of Elevating, Conveying and Power-Transmitting Appliances, announce that they have opened a New England Engineering and Sales Office, in charge of Mr. Malcolm R. White, Mechanical Engineer, at Room 337, Oliver Bldg., 141 Milk St., Boston, Mass.

THE H. W. JOHNS-MANVILLE CO., of New York, announce the opening of a branch office in Indianapolis, Ind., to take care of the local requirements of the trade in that territory. This office, which is located at 30 South Pennsylvania St., Indianapolis, will be under the management of Charles E. Wehr, who, for several years, has represented the company in that section.

THE ROCKWELL FURNACE CO., 26 Cortlandt St., New York, has been organized as engineers and manufacturers of metallurgical furnaces and fuel oil and gas burning appliances. F. S. Garrett is Pres. and W. S. Quigley Vice-Pres. and Gen. Mgr. The officers and employees of this company have been connected for a number of years with the Rockwell Engineering Co. of New York.

THE BUFFALO FOUNDRY & MACHINE Co., Buffalo, N. Y., who besides making extra large castings, are builders of vacuum drying and impregnating machinery, vacuum drum, shelf and rotary dryers, compressors, pumps, condensers, and the Bell steam hammer, recently established a New York office at 143 Liberty St., having engaged H. E. Jacoby as resident engineer and manager of New York office.

THE COFFIN VALVE CO., of Boston, Mass., has recently been awarded a large contract by the city of Chicago, Ill., for furnishing, delivering and superintending installation of ten large circular sluice gates eight feet in diameter. These valves are to be constructed for actual pressure of 66 ft. head. Operation is secured by the use of the Coffin Patent Ball Bearing Two-Speed Variable Power Gear Stand, a modern device for controlling large valves under high heads. The sluice gates referred to are for service in the shafts of the Blue Island Ave. land tunnel now under construction.

THE CONSOLIDATED SUPPLY CO., 321 Dearborn St., Chicago, Ill., has been incorporated and will make a specialty of handling general steam and electric railway, mill and mining supplies. The office and store occupy the ground floor in the Manhattan Bldg., storeroom extending through and fronting on No. 60 Plymouth Place. The incorporators are L. A. Hopkins, John P. Mahoney and J. L. Benedict.

THE R. D. NUTTALL CO., of Pittsburg, announce that they have added to their already comprehensive list of gears and pinions, the well-known Titan brand of manganese steel gears and pinions, having arranged with the Aetna Steel Casting Co. for their exclusive sale. This places the Nuttall Co. in a position to furnish practically everything in the way of gears and pinions for every requirement of traction and electric railway service

EDWARD GOODRICH ACHESON has transferred to the Acheson Oildag Co. his patents and trade marks covering his latest important and valuable products—Oildag and Aquadag. These patents and trade marks cover the industrial world, 22 countries in all, a fact that bears testimony to the recognized possible wide application of Oildag and Aquadag. Oildag is a mixture of deflocculated, unctuous Acheson-Graphite mixed with oil for use as a gas engine lubricant and is put up in tubes and cans for charging one, five and ten gallons of mineral oil. The Acheson Oildag Co. has established offices and works at Niagara Falls, N. Y.

THE CONTRACT for the construction of the first cyanamid plant on this side of the water has been let by the American Cyanamid Co. to Westinghouse, Church, Kerr & Co., of New York City. The contractors already have organized the work with men on the ground, and construction operations will be vigorously pushed in the expectation that the plant will be ready for operation in about ten months. The plant is located at Niagara Falls on the Canadian side, and for the purposes of its present and future business the company has acquired an area of 26 acres of land. The initial capacity of the plant will be 7,500 tons per annum, although the plans which have been prepared will permit the expansion of the industry at that point to 40,000 tons. There are eleven cyanamid plants in Europe projected, in process of construction, or in operation, and their aggregate annual capacity is 166,000 tons. Inasmuch as America supplies a considerable portion of the food stuffs for Europe, it is likely that the expansion of the American plant for the purposes of agricultural fertilizer will be very rapid.

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TRADE PUBLICATIONS.

FERRO-IN-CLAVE.—Brown Hoisting Machinery Co., Cleveland, Ohio. Paper; 6 × 9½ ins.; pp. 35; illustrated.

In this 1908 catalog this company describes some of the later applications of their patented corrugated steel, known as "ferro-inclave."

DERAILS.—Hayes Track Appliance Co., Geneva, N. Y. Paper; 6 × 9 ins.; pp. 40; illustrated.

This is a most complete exposition of track derails, particularly of those manufactured by the Hayes Co., illustrated principally from devices in working use on railways.

REINFORCED CONCRETE.—Turner-Forman Concrete-Steel Company, 1201 Chestnut St., Philadelphia. Paper; 10 × 7¾ ins.; pp. 16; illustrated.

Together with the many arguments in favor of concrete construction in general, this pamphlet illustrates considerable work recently finished by the company publishing the booklet.

CONCRETE CHIMNEYS.—General Concrete Construction Co., Memphis, Tenn. Paper; 3½ × 6 ins.; pp. 13; illustrated.

By annotated references to Mr. Sanford E. Thompson's recent paper on reinforced-concrete chimneys, this pamphlet demonstrates the superiority of the system of construction practiced by the General Concrete Construction Co. in their chimney work.

WHITE CEMENT.—Sandusky Portland Cement Co., Sandusky, Ohio. Paper; 6 × 9 ins.; pp. 16; illustrated.

A cement which will set into a perfectly white stainless concrete has been needed for a long time in certain kinds of decorative work. In their "Medusa White Portland Cement" this company claims to have solved the problem.

TRACTION ENGINES AND AGRICULTURAL MACHINERY.—The Avery Co., Peoria, Ill. Paper; 11½ × 8½ ins.; pp. 64; illustrated.

The traction engines have the cylinders and gearing mounted either upon the boiler in the usual way, or upon an underframe beneath the boiler. The engines are described in some detail. They are shown applied to gang plows, and for road hauling and contractors' work. One is shown equipped with a dipper and derrick for use as a steam shovel. Dump wagons for contractors are also shown. The company's threshing machinery is described and illustrated in general and as to its detail parts.